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Pesticides DOCUMENTATION BULLETIN

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PESTICIDES DOCUMENTATION BULLETIN

Volume 4
September 27, 1968
Number 20

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
Crops or Weeds tested with phytotoxicity ratings
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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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*This issue does not contain citations under this category.

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18497-68
EFFICIENCY OF APHIDOPHAGOUS INSECTS IN IRAQ. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
A F Al-Azawi
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1966
Aphididae, Chemical control (insects), Insect identification, Parasitic insects, Research.

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THE EFFICIENCY OF APHIDOPHAGOUS INSECTS IN CONTROL OF APHIS FABAE SCOP. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
S Bombosch O Tokmakoglu
271-273
1966
Aphididae, Aphis fabae, Feeding, Insect cages, Insect control, Morphology, Predaceous insects, Research, Weather.

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A NEW WIDE-SPECTRUM COCCIDIOSTAT.
R A Bowie J P Cairns M S Grant A Hayes W G M Jones J F Ryley
Nature 214(5095):1349
24 Jun 1967 472 N21
Chemical control (insects), Chemicals, Coccidiosis, Drugs, Eimeria brunetti, Eimeria tenella, Laboratories, Parasitism, Research.

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FUNCTION OF APHIDOPHAGOUS INSECTS IN INTEGRATED CONTROL; SUMMING-UP OF THE SECTION VI. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
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G Giglioli F J Rutten S Ramjattan
World Health Organ Bull 36(2):283-301 MAPS
1967 449.9 W892B
Chloroquine, Insect outbreaks, Malaria, Plasmodium falciparum, Research, Sodium chloride. French summary.

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NEW RECORDS OF TABANIDAE (DIPTERA) FOR SOUTHERN RHODESIA.
R Goodier
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Chrysopidae, Insect vectors, Research, Tabanidae, Trypanosomiasis.

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SIMPLE TECHNIQUES FOR THE REARING OF COLLEMBOLA AND A NOTE ON THE USE OF A FUNGISTATIC SUBSTANCE IN THE CULTURES.
H E Goto
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OBSERVATIONS ON THE USE OF A PREDATOR TO CONTROL RED SPIDER MITE ON COMMERCIAL CUCUMBER NURSERIES.
H J Gould
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Cucumbers, Insect ecology, Nurseries, Tetranychus urticae.

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H W Levi C D Dondale
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06 Sep 1968 470 SCI2
Arachnida, Education, Electron microscopy, Research, Spiders, Teaching.

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J L Madden
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13 Apr 1968 472 N21
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TWO SUBGENERA OF PYRGOMORPHIDAE (ORTH., ACRIDOIDEA) RAISED TO GENERIC STATUS ON THE BASIS OF THEIR PHALLIC STRUCTURES.
S S Akbar D K Kevan
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Apr 1963 421 EN86
Insect anatomy, Nomenclature, Orthoptera, Pyrgomorphidae, Taxonomy.

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TWO NEW SPECIES OF LONGITARSUS LATR. (COL., CHRYSOMELIDAE) IN BRITAIN.
A A Allen
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Apr 1967 421 EN86
Color, Cuticle, Insect identification, Longitarsus, Physiology, Research, Taxonomy.

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THE DISTRIBUTION OF ANTS IN CENTRAL SOUTHERN ENGLAND.
K E J Barrett
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Formicidae, Zoogeography.

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MOBILE FIELD LABORATORY CABINET FOR USE IN ENCEPHALITIS SURVEILLANCE.
R E Bartnett R P Jones
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Mar 1968 421 M85
Biological laboratories, Equine encephalomyelitis, Research, Surveys, Trucks.

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HYMENOPTERA FROM TURKEY: SYMPHYTA.
R B Benson
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Entomology, Hymenoptera, Insect identification, Insect taxonomy, Research, Symphyta.

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A NEW GENUS FOR THE LEAF-EDGE-ROLLING PONTANIA (HYM., TENTHREDINIDAE).
R B Benson
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Mar 1960 421 EN86
Hymenoptera, Insect identification, Pontania, Taxonomy.

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REVISION OF PALEARCTIC CENTROPHTHALMUS (COL. PSELAPHIDAE). (FR)
C Besuchet
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15 Sep 1966 420 SW6
Centrophthalmus, Insect taxonomy, Pselaphidae. Includes new spp.

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GRASSHOPPERS (ORTH., ACRIDIDAE) IN RADNORSHIRE.
R E Blackith
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Aug 1963 421 EN86
Acrididae, Grasshoppers, Orthoptera, Taxonomy, Zoogeography.

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THE DISTRIBUTION OF MANTIS RELIGIOSA L. (DICTYOPTERA, MANTIDAE).
A N Bringham
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Apr 1960 421 EN86
Mantis religiosa, Zoogeography.

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TATUIDRIS, A REMARKABLE NEW GENUS OF FORMICIDAE (HYMENOPTERA).
W L Brown W W Kempf
Psyche 74(3):183-190
Sep 1967 421 P95
Formicidae, Insect taxonomy.

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BEDFORDSHIRE SAWFLIES: WITH SOME NEW FOOD-PLANTS.
V H Chambers
Entomol Mon Mag (SER.4)96(250-252):209-212 REF
Oct 1960 421 EN86
Entomology, Food plants, Insect identification, Insect taxonomy.

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SOME NEW AND LITTLE-KNOWN ACRIDOIDEA (ORTHOPTERA) FROM WEST AFRICA.
R F Chapman
Entomol Mon Mag (SER.4)96(250-252):240-242
Oct 1960 421 EN86
Acridoidea, Entomology, Insect identification, Insect taxonomy. New species are: Chapmanacris sylvatica, Eucoptacra basidens and Apoboleus.

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TWO NEW SPECIES OF THE GENUS OTIOTHOPS (PRANEAE, PALPIMANIDAE) FROM THE VIRGIN ISLANDS.
A M Chickering
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Sep 1967 421 P95
Insect taxonomy, Spiders.

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C L Costa T Lewis
Entomol Exp Appl 10(3):485-487
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Aphididae, Insect traps, Surveys.

Abstract

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ON SOME NEW CHARACTERS OF CLASSIFACTORY IMPORTANCE IN ADULTS OF ELATERIDAE (COLEOPTERA).
R A Crowson
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Jul 1960 421 EN86
Elateridae, Entomology, Insect identification, Insect taxonomy.

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V F Eastop
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Jul 1960 421 EN86
Aphididae, Entomology, Insect identification, Insect taxonomy. New species are: Apterae viviparae and A. canberrae.

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A PRELIMINARY ACCOUNT OF SOME DATA ON HETEROPTERA TAKEN AT LIGHT IN THE NEW WORLD TROPICS.
M G Emsley
Entomol Mon Mag (SER.4)97(273-276):205-207
Sep 1962 421 EN86
Entomology, Heteroptera, Indexing, Insect taxonomy, Light traps, Tables (data).

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NOTES ON NEOTROPICAL TABANIDAE (DIPTERA). XI. STENOTABANUS STARYI N. SP. FROM CUBA.
G B Fairchild
Psyche 74(3):208-211
Sep 1967 421 P95
Insect taxonomy, Tabanidae.

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C Ferriere
Schweiz Entomol Ges Mitt 39(1/2):118-130
15 Sep 1966 420 SW6
Calisota, Chalcidoidea, Eupelmidae, Insect taxonomy. Includes Calisota saharensis and C. mateui, n. spp.

18526-68
BRED OPIINAE FROM EUROPE (HYMENOPTERA, BRACONIDAE). (GE)
M Fisher
60(3):318-350 REF
Oct 1967
Braconidae, Insect rearing, Opiinae.

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RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES ENTOMOLOGISCHES INSTITUT. 60TH CONTRIBUTION. SURVEY OF THE FIRST EVALUATION PHASE 1961 TO 1965. (GE)
G Friese
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1967 421 B392
Albania, Insects, Surveys. English summary.

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DESCRIPTION OF HAEMAGOGUS AERITINCTUS, A NEW SPECIES FROM BRITISH HONDURAS, WITH A NOTE ON THE VALIDITY OF HAEMAGOGUS LUCIFER (H. D. AND K.) (DIPTERA) CULICIDAE).
P Galindo H Trapido
Entomol Soc Wash Proc 69(2):103-111
Jun 1967 420 W27
Culicidae, Ficus, Haemogogus aeritinctus, Haemogogus lucifer, Insect behavior, Insect taxonomy, Rhizophora, Zoogeography.

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TWO GLOUCESTERSHIRE ORTHOPTEROIDS.
R S George
Entomol Mon Mag (SER.4)97(262-264):244
Oct 1961 421 EN86
Blattella germanica, Forficula auricularia, Orthoptera, Taxonomy, Zoogeography.

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J M Good
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Jul 1968 464.8 P56
Ecology, Environment, Microorganisms, Nematology, Plant diseases, Soil biology.

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THE GENUS APROSTOCETUS WESTWOOD, SENSU LATO (HYM., EULOPHIDAE); NOTES ON THE SYNONYMY OF EUROPEAN SPECIES.
M W R Graham
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Jan 1961 421 EN86
Aprostocetus, Eulophidae, Hymenoptera, Nomenclature, Taxonomy.

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THE AGROMYZIDAE (DIPTERA) OF WOOD-WALTON FENI SUPPLEMENT.
G C D Griffiths
Entomol Mon Mag (SER.4)98(270-2):155-158
Jun 1962 421 EN86
Agromyzidae, Biology, Breeding, Color, Comfrey, Insect identification, Insect taxonomy, Morphology.

18533-68
A NOTE ON SOME AGROMYZIDAE (DIPTERA) FROM NORTHERN PERSIA INCLUDING A NEW LIRIOMYZA SPECIES.
G C D Griffiths
Entomol Mon Mag (SER.4)99(280-281):75-79
Apr 1963 421 EN86
Agromyzidae, Diptera, Liriomyza, Reports, Taxonomy, Zoogeography.

18534-68
THE SEPARATION OF SITOPHILUS ORYZAE (L.) AND S. ZEAMAIS MOTSCHULSKY (COL., CURCULIONIDAE), WITH A SUMMARY OF THEIR DISTRIBUTION.
D G H Halstead
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Apr 1963 421 EN86
Coleoptera, Insect dissemination, Sitophilus oryzae, Sitophilus zeamais, Zoogeography.

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LEPIDOPTERA NEW TO LANCASHIRE AND WESTMORLAND.
J Heath
Entomol Mon Mag (SER.4)97(257-259):100
May 1961 421 EN86
Lepidoptera, Taxonomy, Zoogeography.

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TRANSIENT COMPETITIVE DISPLACEMENT IN NATURAL POPULATIONS OF WHIRLIGIG BEETLES.
C Istock
Ecology 48(6):929-937,AUTUMN REF
1967 410 EC7
Gyrinidae, Insect ecology, Zoogeography.

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C D Johnson
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Oct 1967 421 P193
Bruchidae, Insect biology, Insect taxonomy, Legumes, Merobruchus, Stator.

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THE BRITISH SPECIES OF THE GENUS LONGITARSUS LATREILLE (COL., CHRYSOMELIDAE).
D K Kevan
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Cuticle, Insect behavior, Insect identification, Insect taxonomy, Longitarsus, Physiology, Research.

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EGG PARASITES OF LARCH SWAFLIES IN GREAT BRITAIN.
R C Kirkland A Paramonov
Entomol Mon Mag (SER.4)98(265): 3
Jan 1962 421 EN86
Insect behavior, Insect eggs, Parasitism, Pristiphora erichsonii, Taxonomy.

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A HOST CATALOGUE OF BRITISH ENTOMOGENOUS FUNGI: FIRST SUPPLEMENT.
D Leatherdale
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Oct 1961 421 EN86
Entomology, Fungi, Insect behavior, Parasitism.

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NEW COUNTY RECORDS OF HEMIPTERA-HETEROPTERA.
D Leston T R E Southwood
Entomol Mon Mag (SER.4)9(253-255):32-33
Jan 1961 421 EN86
Hemiptera, Heteroptera, Taxonomy, Zoogeography.

18542-68
OBSERVATIONS ON THE MIRID (HEM.) HOSTS OF BRACONIDAE (HYM.) IN BRITAIN.
D Leston
Entomol Mon Mag (SER.4)97(256): 65-71
Apr 1961 421 EN86
Braconidae, Hemiptera, Hymenoptera, Insect behavior, Parasitism, Research, Zoogeography.

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ADDITIONAL NOTES ON DIPTERA (TABANIDAE) FROM DELAWARE:.
D MacCreary
Brooklyn Entomol Soc Bull 58(4):97-98
Oct 1963 420 B79
Diptera, Reports, Tabanidae, Taxonomy, Zoogeography.

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NEW RECORDS OF HEMIPTERA-HETEROPTERA FROM WILTSHIRE AND NORTH SOMERSET.
A M Massee
Entomol Mon Mag (SER.4)97(273-276):263
Sep 1962 421 EN86
Entomology, Hemiptera, Heteroptera, Insect identification, Insect taxonomy.

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TECHNIQUES FOR DETERMINING THORACIC SCALE PATTERNS ON ALCOHOL-PRESERVED MOSQUITOES.
R G Means
Brooklyn Entomol Soc Bull 58(4):126
Oct 1963 420 B79
Alcohols, Culicidae, Insect identification, Scales (insects), Taxonomy, Thorax.

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THE FEMALE SEX OF THE MUTILLIDAE SUBFAMILY EOTILLINAE (HYMENOPTERA).
C E Mickel
Psyche 74(3):234-236
Sep 1967 421 P95
Insect taxonomy, Prototilla.

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ANTHONOMUS RUFUS GYLL. (COL., CURCULIONIDAE) IN LANCASHIRE.
M G Morris
Entomol Mon Mag 102(1229-1231):220
Oct 1966 421 EN86
Anthonomus rufus, Coleoptera, Taxonomy, Zoogeography.

18548-68
KARYOTYPES AND DEVELOPMENTAL STAGES OF HARPYRHYNCHUS NOVOPLUMARIS SP. N. (ACARI: CHEYLETOIDEA: HARPYRHYNCHIDAE), A PARASITE OF NORTH AMERICAN BIRDS.
W W Moss J H Oliver B C Nelson
J Parasitol 54(2):377-392 REF
Apr 1968 448.8 J824
Birds, Genetics, Harpyrhynchus novoplumaris, Mites, Physiology, Taxonomy.

Abstract: The karyotypes strongly suggest the haplo-diploid method of sex determination, with n02. There is a strong possibility that the species is arrhenotokous. The developmental stages for both sexes of the mite are: egg, larvae, protonymph, deutonymph, and adult; all stages subsequent to the egg exhibits sexual dimorphism.

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RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES ENTOMOLOGISCHES INSTITUT. 66TH CONTRIBUTION. HYMENOPTERA: TIPHIIDAE. (GE)
J Oehlke
Beitr Entomol 17(3/4):517-520
1967 421 B392
Hymenoptera, Tiphiidae. English summary.

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MOTHS UNRECORDED FROM SHIKOKU.
M Okada
Shikoku Entomol Soc Trans 7(1-2):64
Aug 1961 420 SH6
Insect identification, Insect migration, Moths, Research. Eupithecia gigantea, Collix griseipalpis, Apatele alni, rhynchina abducalis, and Rhynchina columbaris are the moths listed

18551-68
SIPHONAPTERA FROM KENT.
E G Philp
Entomol Mon Mag (SER.4)97(262-264):254-258 REF
Oct 1961 421 EN86
Siphonaptera, Taxonomy, Zoogeography.

18552-68
SOME MUSCIDAE (DIPTERA) FROM THE PHILIPPINE ISLANDS AND THE BISMARCK ARCHIPELAGO. 1. THE GENUS MYIOPHAEA ENDERLEIN.
A C Pont
Entomol Medd 35(2):105-124 REF
1967 421 EN82
Insect taxonomy, Muscidae, Myiophaea, Zoogeography.

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A PRELIMINARY EXPERIMENTAL STUDY OF THE SEX ATTRACTIVENESS OF FEMALE LEPIDOPTERA ACROLEPIA ASSECTELLA (ZELLER) UNDER NATURAL CONDITIONS. (FR)
R Rahn
Ann Epiphyt 19(2):367-377
1968 464.9 F84AN
Acrolepia assectella, Crops, Insect flight, Lepidoptera, Population statistics, Research. English summary.

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A NEW BRITISH AGROMYZID FLY.
O W Richards
Entomol Mon Mag (SER.4)99(284-286):162
Aug 1963 421 EN86
Agromyzidae, Diptera, Taxonomy, Zoogeography.

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BIOMETRIC DATA FOR RHOPALOSIPHUM FITCHII SAND. (HEM., APHIDIDAE) WITH NOTES ON SYNONYMY.
J P Rogerrson
Entomol Mon Mag (SER.4)96(241): 19-21
Jan 1968 421 EN86
Biometry, Color, Insect identification, Morphology, Research, Rhopalosiphum fitchii, Taxonomy.

18556-68
ALATE APHIDS TRAPPED IN POTATO FIELDS IN CUMBERLAND, WESTMORLAND AND NORTHUMBERLAND.
J P Rogerson
Entomol Mon Mag 102(1229-1231):247-257
Oct 1966 421 EN86
Aphididae, Insect traps, Potatoes, Taxonomy, Zoogeography.

18557-68
A NEW PANAMANIAN STINK BUG (HETEROPTERA; PENTATOMIDAE, DISCOCEPHALINAE).
H Ruckes
Brooklyn Entomol Soc Bull 58(4):129-132
Oct 1963 420 B79
Heteroptera, Pentatomidae, Taxonomy.

18558-68
NEW NAME COMBINATIONS AND NOTES ON SOME AFRICAN AND ASIAN SPECIES OF ALEYRODIDAE (HOMOPTERA).
L Russell
Brooklyn Entomol Soc Bull 57(3):63-65
Jun 1962 420 B79
Aleyrodidae, Homoptera, Insect identification, Insect taxonomy.

18559-68
TAXONOMIC NOTES ON SOME LARVAE OF THE GENUS AEDES (DIPTERA: CULICIDAE) FROM LOKOJA IN NORTHERN NIGERIA.
M W Service
Entomol Mon Mag (SER.4)96(250-252):229-230
Oct 1960 421 EN86
Aedes, Entomology, Insect identification, Insect taxonomy, Larvae.

18560-68
MOSQUITO RECORDS FROM NORTHERN NIGERIA.
M W Service
Entomol Mon Mag (SER.4)98(266): 25-26
Feb 1962 421 EN86
Culicidae, Reports, Zoogeography.

18561-68
THE GOLDEN BUPRESTID BUPRESTIS AURULENTA L. (COL., BUPRESTIDAE) IN BRITAIN.
M W Shaw
Entomol Mon Mag (SER.4)97(257-259):97-98
May 1961 421 EN86
Buprestidae, Buprestis aurulenta, Zoogeography.

18562-68
A NEW SPECIES OF THE GENUS HETEROTHOPS STEPH. FROM CZECHOSLOVAKIA. 78. CONTRIBUTION TO THE KNOWLEDGE OF THE STAPHYLINIDAE. (GE)
A Smetana
Acta Ent Bohemoslov 64(6):466-471
20 Nov 1967 420 C33
Heterothops balthasari, Insect taxonomy, Staphylinidae.

18563-68
DROSOPHILIDAE (DIPTERA) OCCURRING AT NESTON, CHESHIRE.
K G Smith
Entomol Mon Mag (SER.4)96(242): 47
Feb 1960 421 EN86
Diptera, Drosophilidae, Taxonomy, Zoogeography.

18564-68
HYDROGEN ION CONCENTRATION (PH) AS RELATED TO THE OCCURRENCE AND ABUNDANCE OF TREE-HOLE DWELLING CULICOIDES SPP., (DIPTERA: CERATAPOGONIDAE) IN NORTHERN FLORIDA.
W W Smith J H Varnell
Mosquito News 27(4):519-521 REF
Dec 1967 421 M85
Ceratopogonidae, Culicoides, Habitats, Hydrogen-ion concentration, Insect ecology.

18565-68
TWO NEW LYGAEIDAE (HEMIPTERA) FROM AFRICA.
T R E Southwood
Entomol Mon Mag (SER.4)98(270-2):172-174
Jun 1962 421 EN86
Color, Cuticle, Insect identification, Lygaeidae, Taxonomy.

18566-68
SOME SARCOPHAGIDAE (DIPTERA) FROM THE BISMARCK ISLANDS AND THE PHILIPPINES.
H de Souza Lopes
Entomol Medd 35(2):143-176 REF
1967 421 EN82
Diptera, Insect taxonomy, Sarcophagidae, Zoogeography.

18567-68
FURTHER RECORDS OF CAMBRIDGESHIRE BEES AND WASPS.
G M Spooner
Entomol Mon Mag (SER.4)98(265): 17
Jan 1962 421 EN86
Bees, Hymenoptera, Taxonomy, Zoogeography.

18568-68
A COLLAPSIBLE TRUCK-BOAT TRAP FOR COLLECTING BLOOD-FED MOSQUITOES AND TABANIDS.
C D Steelman C G Richardson R E Schaefer B H Wilson
Mosquito News 28(1):64-67 REF
Mar 1968 421 M85
Boats, Culicidae, Insect collecting equipment, Insect traps, Tabanidae, Trucks.

18569-68
A NEW CULEX (MELANOCONION) FROM FLORIDA (DIPTERA, CULICIDAE).
A Stone J A Hair
Mosquito News 28(1):39-41 REF
Mar 1968 421 M85
Culex cedecei, Insect biology, Insect taxonomy, Zoogeography.

18570-68
A NEW PARASIMULIUM AND FURTHER RECORDS FOR THE TYPE SPECIES (DIPTERA: SIMULIIDAE).
A Stone
Brooklyn Entomol Soc Bull 58(4):127-129
Oct 1963 420 B79
Diptera, Insect identification, Simuliidae, Taxonomy.

18571-68
CHECKLIST OF WEST AFRICAN CULICINI (DIPT., CULICIDAE) WITH BRIEF NOTES ON TERRITORIAL DISTRIBUTION AND BREEDING SITES.
G Surtees
Entomol Mon Mag (SER.4)97(256): 73-77
Apr 1961 421 EN86
Breeding, Culicidae, Diptera, Insect dissemination, Zoogeography.

18572-68
SOME RECORDS OF ECTOPARASITES FROM BIRDS COLLECTED AT THE JERSEY BIRD OBSERVATORY.
G B Thompson
Entomol Mon Mag (SER.4)96(247-249):197
Jul 1960 421 EN86
Birds, Insect identification, Insect taxonomy, Parasitic insects, Parasitism.

18573-68
ON THE NOMENCLATURE OF SOME INSECTS RELATED TO LAC.
R K Varshney
Entomol Mag (SER.4)99(284-286):195-197 REF
Aug 1963 421 EN86
Lac, Nomenclature, Taxonomy.

18574-68
CARDIGANSHIRE FLEA RECORDS.
K C Walton
Entomol Mon Mag (SER.4)99(284-286):164
Aug 1963 421 EN86
Siphonaptera, Taxonomy, Zoogeography.

18575-68
SAWFLIES (HYM., SYMPHYTA) COLLECTED BY MR. J. E. COLLIN AND MR. E. C. M. D'ASSIS-FONSECA IN THE SCOTTISH HIGHLANDS, MAY AND JUNE, 1959.
L H Woollatt
Entomol Mon Mag (SER.4)97(256): 87-88
Apr 1961 421 EN86
Hymenoptera, Taxonomy, Tenthredinidae, Zoogeography.

18576-68
THE BEES AND WASPS OF CAMBRIDGESHIRE.
P F Yeo
Entomol Mon Mag (SER.4)97(260): 159-161
Aug 1961 421 EN86
Bees, Hymenoptera, Zoogeography.

PHYSIOLOGY AND BIOCHEMISTRY

18577-68
STUDIES ON THE NATURAL ENEMIES OF INSECT PESTS OF WEST PAKISTAN FORESTS. FINAL REPORT, JUNE 1961- JUNE 1966. SB942.G5.
83 P. REF
Jun 1966
Forests, Insect pests, Predaceous insects, Reports, Research, Tables (data).

18578-68
EXPERIMENTS CONCERNING THE INFLUENCE OF INSECTICIDES ON ARTHROPOD POPULATIONS. (GE)
F A Abdel-Salam G Dosse H Geidel
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(8):461-467 REF
Aug 1968 464.8 Z3
Arthropoda, Biochemistry, Chemical control (insects), Insecticides, Measurement, Population, Research. English summary.

18579-68
PEST INFESTATION RESEARCH 1967. 423.92 G792.
80 P.
1967
Biochemistry, Fumigants, Insect biology, Insect pests, Insecticides, Pest control, Reports, Research, Storage.

18580-68
UNDESCRIBED SPECIES OF NEMATOCEROUS DIPTERA.
C P Alexander
Brooklyn Entomol Soc Bull 57(2):33-39
Apr 1962 420 B79
Color, Entomology, Habitats, Insect identification, Taxonomy, Tipulidae.

18581-68
STUDIES ON OVERWINTERING OF ANTHOCORIS (HEM., ANTHOCORIDAE).
N H Anderson
Entomol Mon Mag (SER.4)98(265): 1-3
Jan 1962 421 EN86
Anthocoridae, Hemiptera, Hibernation, Insect behavior, Research.

18582-68
STUDIES ON THE LIFE HISTORY OF THE SMALLER BROWN PLANTHOPPER (LAODELPHAX STRIATELLUS FALLEN). (KO)
D H Bai M K Baik K M Choi
Korea Min Agr Forest Office Rural Develop Res Rep 10(3):91-96
Sep 1967 22.5 K843
Crops, Eggs, Hibernation, Laodelphax striatellus, Physiology, Research. English summary.

18583-68
THE BIOLOGY OF EURYTOMA ROSENI CLARIDGE (HYM., EURYTOMIDAE).
R Bailey
Entomol Mon Mag 102(1229-1231):221-225
Oct 1966 421 EN86
Biology, Eurytoma roseni, Eurytomidae, Hymenoptera, Insect physiology.

18584-68
DAILY PATTERNS IN THE ACTIVITY OF THE ARBOREAL ANT AZTECA ALFARI.
F H Barnwell
Ecology 48(6):991-993,AUTUMN
1967 410 EC7
Cecropia peltata, Insect behavior, Insect ecology.

Abstract In the movement of the arboral ant to the trunk of a tree forked near the ground, two different daily patterns have been recorded. One activity was strictly diurnal and the other occurred just after sunset.

18585-68
POPULATION DYNAMICS OF APHIS FABAE SCOP. AND THE INFLUENCE OF COCCINELLIDAE. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
K Behrendt
259-262
1966
Aphis fabae, Climate, Coccinellidae, Population, Predaceous insects, Research.

18586-68
CHANGES ASSOCIATED WITH PARASITISM IN NEMATODES. IV. CYTOCHEMICAL STUDIES ON THE AMPULLA OF THE DORSAL ESOPHAGEAL GLAND OF MELOIDOGYNE JAVANICA AND ON EXUDATIONS FROM THE BUCCAL STYLET.
A F Bird
J Parasitol 54(5):879-890 REF
Oct 1968 448.8 J824
Cytology, Glands (insects), Histochemistry, Meloidogyne javanica, Nematodes, Parasitism, Research, Spectroscopy.

18587-68
THE DEVELOPMENT AND FECUNDITY OF ADALIA BIPUNCTATA L. AND COCCINELLA SEPTEMPUNCTATA L. FEEDING ON VARIOUS SPECIES OF APHIDS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
R L Blackman
41-43
1966
Adalia bipunctata, Coccinella septempunctata, Feeding, Fertility, Insect morphology, Larvae, Photoperiodism, Reproduction, Research, Temperature.

18588-68
STIMULATION OF YOLK DEPOSITION IN AN ICHNEUMONID PARASITOID BY FEEDING SYNTHETIC JUVENILE HORMONE.
G K Bracken K K Nair
Nature 216(5114):483-484
04 Nov 1968 472 N21
Biochemistry, Diet, Exeristes comstockii, Feeding, Fertility, Hormones, Ichneumonidae, Insect eggs, Ovulation, Parasitic insects, Yolk sac.

18589-68
NOTES ON ANT VECTORS IN THE LIFE-CYCLE OF A TREMATODE.
A N Brangham
Entomol Mon Mag (SER.4)96(243): 54-56 REF
Mar 1960 421 EN86
Formicidae, Insect behavior, Insect vectors, Reports, Trematoda.

18590-68
A CIRCADIAN PATTERN IN THE RESPIRATION OF LARVAE OF THE MOSQUITO CULEX PIPIENS.
J D Buffington
Mosquito News 28(1):95-98 REF
Mar 1968 421 M85
Culex pipiens, Diurnal rhythm, Insect respiration, Larvae, Phototropism, Temperature.

Abstract:Respiration of second,third,and fourth instar larv is modified by engogenous influences. This endogenous patte of respiration is prohably adaptive in response to temperatu fluctuations in the environment, and timing of this pattern depends on lught cues for entrainment.

18591-68
OBSERVATION ON THE EFFECT OF TEMPERATURE ON THE DEVELOPMENT AND THE LEG COLORATION OF OSCINELLA FRIT L. (DIPT., OSCINELLIDAE).
J A Bullock
Entomol Mon Mag (SER.4)98(267-9):93-94
Mar 1962 421 EN86
Color, Insect cages, Legs, Morphology, Oscinella frit, Research, Temperature.

18592-68
BRITISH DIPTERA ASSOCIATED WITH FUNGI. III. FLIES OF ALL FAMILIES REARED FROM ABOUT 150 SPECIES OF FUNGI.
P A Buxton
Entomol Mon Mag (SER.4)96(243-244):61-94
Mar 1960 421 EN86
Diptera, Fungi, Insect rearing.

18593-68
EFFECTS OF ACTINOMYCIN D ON DEVELOPMENT IN PUPAE OF TENEBRIO MOLITOR.
A M Chase
Nature 215(5109):1516-1517
30 Sep 1967 472 N21
Actinomycin d, Biochemistry, Deoxyribonucleic acid, Dosage, Drug therapy, Injections, Insect morphology, Pupae, Research, Ribonucleic acid, Tenebrio molitor.

18594-68
A LOCAL SURVEY OF THE DISTRIBUTION OF INDUSTRIAL MELANIC FORMS IN THE MOTH BISTON BETULARIA AND ESTIMATES OF THE SELECTIVE VALUES OF THESE IN AN INDUSTRIAL ENVIRONMENT.
C A Clarke P M Sheppard
165(1001):424-439,MAP
11 Oct 1966
Industrial concentration, Insularia, Melanosis, Moths, Natural selection, Smoke, Surveys.

18595-68
THE INFLUENCE OF FOOD CONDITION ON THE LONGEVITY OF SITOPHILUS GRANARIUS (L.)(COL., CURCULIONIDAE).
C W Coombs G E Woodroffe
Entomol Mon Mag (SER.4)99(284-286):145-146
Aug 1968 421 EN86
Coleoptera, Food, Insect physiology, Longevity, Sitophilus granarius.

18596-68
CHRYSOPA CARNEA STEPH. (NEUR., CHRYSOPIDAE) IN AN UNUSUAL HABITAT.
M J Cotton
Entomol Mon Mag (SER.4)97(257-259):
May 1961 421 EN86
Chrysopa carnea, Chrysopidae, Ecology, Habitats.

18597-68
ENFORCING INSECTICIDE-CONTENT WATER QUALITY STANDARDS.
W S Cox
Science 159(3819):1123-1124
08 Mar 1968 470 SC12
Aquatic animals, Biochemistry, Insecticides, Water.

18598-68
STABILIZED INSECTICIDAL PHOSPHORODITHIOATES IN POWDERS OF SUBSTANTIALLY IRON-FREE KIESELGUHR WITH LOW VOLATILE SOLVENT OILS. PATENT 3,390,048.
N G Cutler
Us Patent Office Offic Gaz 851(4):1075
25 Jun 1968 156.65 OF2
Insecticides, Patents.

18599-68
32-PHOSPHORUS TRACER STUDIES OF A HORSEWEED-APHID-ANT FOOD CHAIN.
A A De la Cruz R G Wiegert
Amer Midland Natur 77(2):501-509 REF
Apr 1967 410 M58
Aphididae, Dorymyrmex pyramicus, Erigeron canadensis, Formicidae, Insect ecology, Phosphorus isotopes, Radioactive tracers, Weeds.

Abstract: Earlier studies with 32P indicate that Dorymyrmex pyramicus, supposedly a predator

and scavenger species, was feeding on horseweed (Erigeron canadensis). This supposition was based on an unusual pattern of 32P uptake in the ant population. The present investigation showed that Dorymyrmex is indeed a consumer of horseweed, accomplished not through herbivory, but instead by tending aphids present on these plants and ingesting honeydew.

18600-68
COLD FLOUR BEETLE: REMINISCENCE OR CHANGE OF BIAS.
J A Deutsch
Science 160(3831):1023
31 May 1968 470 SCI2
Cooling, Experimental insects, Insect physiology, Research, Tenebrio molitor, Time.

18601-68
MOUTHPARTS OF THE BITING AND BLOOD-SUCKING TYPE IN TANYDERIDAE AND CHIRONOMIDAE (DIPTERA).
J A Downes D H Colless
Nature 214(5095):1355-1356
24 Jun 1967 472 N21
Chironomidae, Diptera, Morphology, Mouth parts, Research, Tanyderidae.

18602-68
OCCURRENCE OF SYRPHID LARVAE ON SOME APHIDS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
J Dusek P Laska
37-38
1966
Aphididae, Food, Insect behavior, Insect ecology, Insect pests, Larvae, Plants, Research, Syrphidae.

18603-68
SOME NOTES ON NATURAL ENEMIES OF LYGAEIDAE (HEM.).
A C Eyles
Entomol Mon Mag (SER.4)97(273-276):226-227
Sep 1962 421 EN86
Diptera, Fungi, Insect diseases, Lygaeidae, Natural control (insects), Parasitism, Predaceous insects, Research.

18604-68
THE EFFECT ON HONEYBEE MORTALITY OF APPLYING INSECTICIDES AS SPRAYS OR GRANULES TO FLOWERING FIELD BEANS.
J B Free P H Needham P A Racey J H Stevenson
J Sci Food Agr 18(4):133-138
Apr 1967 382 SO12
Apis mellifera, Beans, Disulfoton, Formulations, Insecticide application, Methyl demeton, Oxydemetonmethyl, Phorate, Poisoning, Spraying. Sprays killed bees; granules did not. After becoming systemic in plants, insecticides seemed harmless.

18605-68
THE EFFECT OF ACTIDIONE (CYCLOHEXIMIDE) ON THE ADULTS OF DACUS OLEAE (DIPTER: TEPHRITIDAE). (FR)
E Fytizas
Ann Epiphyt 19(2):261-265 REF
1968 464.9 F84AN
Antibiotics, Chemicals, Chemosterilants, Cycloheximide, Dacus oleae, Insect morphology, Insecticides, Longevity, Research. English summary.

18606-68
GENETICS AND CYTOLOGY OF PHYTOPHTHORA.
J Galindo G A Zentmyer
Nature 214(5095):1356
24 Jun 1967 472 N21
Chromosomes, Culture media, Cytology, Environment, Genetics, Phytophthora drechsleri, Phytophthora infestans, Reproduction, Research.

18607-68
SYNERGISTIC EFFECT OF TWO STIMULANTS TO INDUCE PROBING IN STOMOXYS CALCITRANS.
A G Gatehouse
Nature 216(5117):794-795
25 Nov 1967 472 N21
Ammonia, Biochemistry, Experimental insects, Feeding, Humidity, Research, Stimulants, Stomoxys calcitrans, Temperature.

18608-68
SECRETIONS FROM THE LAZERAL SCENT GLANDS OF THE GREEN VEGETABLE BUG, NEZARA VIRIDULA.
A R Gilby D F Waterhouse
Nature 216(5110):90-91
07 Oct 1967 472 N21
Biochemistry, Cells, Insect physiology, Nezara viridula, Scent glands.

18609-68
ESTABLISHMENT OF A LINE OF CELLS FROM THE SILKWORM BOMBYX MORI.
T D C Grace
Nature 216(5115):613
11 Nov 1967 472 N21
Antheraea pernyi, Bombyx mori, Cells, Chromosomes, Culture media, Cytology.

18610-68
THE AGROMYZIDAE (DIPTERA) OF WOODWALTON FEN.
G C D Griffiths
Entomol Mon Mag (SER.4)98(270-2):125-155
Jun 1962 421 EN86
Agromyzidae, Biology, Color, Insect identification, Insect migration, Larvae, Research. A list of insects are given

18611-68
BUTTERFLY MIGRATION.
M D Gwynne
Entomol Mon Mag (SER.4)97(262-264):201-203
Oct 1961 421 EN86
Butterflies, Entomology, Insect behavior, Insect migration.

18612-68
QUANTITY OF APHIDS REQUIRED FOR REPRODUCTION BY HIPPODAMIA SPP. IN THE LABORATORY. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
K S Hagen R R Sluss
47-59 REF
1966
Aphididae, Experimental insects, Feeding, Hippodamia, Insect behavior, Ovulation, Population, Reproduction, Research, Tables (data).

18613-68
THE TIME ELEMENT IN DEVELOPMENT OF COLOUR ON ADULT DIPTERA AND ON THAT OF A CICADA (HOMOPTERA).
G H Hardy
Entomol Mon Mag (SER.4)96(241): 5-7
Jan 1968 421 EN86
Cicadidae, Color, Diptera, Entomology, Environment, Research, Taxonomy.

18614-68
FOOD ECOLOGY OF APHIDOPHAGUS COCCINELLIDAE. IN HIS ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
I Hodek
23-30 REF.
1966
Aphididae, Coccinellidae, Coleomegilla maculata, Economics, Food, Insect ecology, Insect morphology, Research, Rodolia.

18615-68
INFLUENCE OF PREDATION OF COCCINELLA SEPTEMPUNCTATA L. ON APHIS FABAE SCOP. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.S9.
I Hodek J Holman K Novak V Skuhravy
265
1966
Aphididae, Aphis fabae, Coccinella septempunctata, Insect outbreaks, Predaceous insects, Research, Sugar beets.

18616-68
ECOLOGY OF APHIDOPHAGOUS INSECTS. SYMPOSIUM, 1965 MEETING, SEPTEMBER 27-OCTOBER 1, 1965. LIBLICE, CZECHOSLOVAKIA. SB975.0S9.
I Hodek
360P. PRAGUE, CZECHOSLAVAK ACADEMY OF SCIENCES
1966
Aphididae, Insect biochemistry, Insect ecology, Reports, Research, Symposia.

18617-68
DRINKING OF WATER BY FLEAS.
D A Humphries
Entomol Mon Mag 102(1229-1231):260-262 REF
Oct 1966 421 EN86
Insect behavior, Insect biology, Siphonaptera, Water.

18618-68
COLORATION OF THE DESERT LOCUST (SCHISTOCERCA GREGARIA FORSKAL) REARED IN ISOLATION.
P Hunter-Jones
Entomol Mon Mag (SER.4)98(267-9):89-92
Mar 1962 421 EN86
Color, Insect rearing, Laboratories, Morphology, Research, Schistocerca gregaria.

18619-68
A NOTE ON THE POLYMORPHISM OF PHILAENUS SPUMARIUS (L.) (HOMOPT., CERCOPIDAE) IN BRITAIN.
G E Hutchinson
Entomol Mon Mag (SER.4)99(284-286):175-178
Aug 1963 421 EN86
Homoptera, Morphology, Philaenus spumarius.

18620-68
THE FALL WEBWORM ARE INFESTATIONS LIMITED BY NATURAL CONTROL .
L L Hyche
Highlights 15(3):13 FALL
1968 100 AL1H
Fungi, Hyphantria cunea, Insect diseases, Insect pests, Natural control (insects), Parasitic insects, Research, Tree injuries.

18621-68
HOST SELECTION BY THE POLYPHAGOUS SPECIES PHYTOMYZA ATRICORNIS MEIGEN (DIPT., AGROMYZIDAE).
N W Hyssex B Gurney
Entomol Mon Mag (SER.4)98(266): 42-47
Feb 1962 421 EN86
Diptera, Insect behavior, Parasitism, Phytomyza atricornis.

18622-68
SOME GENERA, ESPECIALLY EUTETTIX OF JAPAN AND FORMOSA (HEMIPTERAI DELTOCEPHALIDAE).
T Ishihara
Shikoku Entomol Soc Trans 7(4):119-124
May 1963 420 SH6
Eutettix, Insect identification, Insect migration, Research.

18623-68
NOTES ON THE FOOD HABITS OF INSECTS IN KAGAWA.
K Iwata
Shikoku Entomol Soc Trans 7(4):105;124
May 1963 420 SH6
Feeding, Insect behavior, Insect migration, Insects, Research.

18624-68
MISCELLANEOUS BIOLOGICAL NOTES ON ACULEATE HYMENOPTERA IN KAGAWA IN THE YEARS OF 1948 AND 1949.
K Iwata
Shikoku Entomol Soc Trans 7(4):114-118
May 1963 420 SH6
Biology, Hymenoptera, Insect identification, Reports, Research.

18625-68
ALCOHOL DEHYDROGENASE OF DROSOPHILA: INTERCONVERSION OF ISOENZYMES.
K B Jacobson
Science 159(3812):324-325 REF
19 Jan 1968 470 SCI2
Adenine nucleotides, Alcohol dehydrogenase, Biochemistry, Dehydrogenases, Drosophila melanogaster, Electrophoresis, Enzymes, Heat, Nicotinamide, Temperature.

18626-68
GRASSHOPPERS AND LOCUSTS IN WESTERN AUSTRALIA.
C F H Jenkins
West Aust J Agr 9(6):169-178
Jun 1968 23 W520J
Acrididae, Aerial spraying, Chemical control (insects), Crop yields, Grasshoppers, Histology, Insect outbreaks, Insect pests.

18627-68
SOME HYMENOPTEROUS PARASITES OF CATERPILLARS ON OAK TWIGS IN WINTER.
K Kanamitsu
Entomol Mon Mag (SER.4)97(253-255):11-14
Jan 1961 421 EN86
Caterpillars, Hymenoptera, Insect behavior, Parasitism, Quercus.

18628-68
CARDIOACCELERATOR RELEASE IN PERIPLANETA AMERICANA (L.).
S B Kater
Science 160(3829):765-767 REF
17 May 1968 470 SCI2
Brain, Corpora cardiaca, Dorsal vessel, Electrocardiograms, Heart rate, Insect physiology, Peptides, Periplaneta americana, Research.

18629-68
A NOTE ON ABNORMAL OVIPOSITION HABITS OF THE COWPEA WEEVIL, CALLOSOBRUCHUS MACULATUS.
E W King
Brooklyn Entomol Soc Bull 58(2-3):61
Apr 1963 420 B79
Callosobruchus maculatus, Cowpeas, Insect abnormalities, Insect behavior.

18630-68
DEFENSE AND AVOIDANCE REACTION OF PLANT LICE (APAIDIDAE) UPON THREAT BY PREDATORS AND PARASITES. (E)
F Klingauf
60(3):269-317 REF
Oct 1967
Natural control (insects), Parasites, Parasitic insects, Predaceous insects. English and German summaries.

18631-68
A PRELIMINARY STUDY OF THE DIETARY REQUIREMENTS OF TOMOCERUS (COLLEMBOLA).
C B Knight R A Angel
Amer Midland Natur 77(2):510-517 REF
Apr 1967 410 M58
Collembola, Feeding, Fungi, Insect behavior, Insect nutrition.

Abstract: Tomocerus was exposed to four different diets: (1) litter and fungi, (2) fungi, (3) humus and fungi, (4) humus, litter and fungi. Fungus spores were ingested in greater quantity than any other single food material. Organisms that were examined from the field had ingested more litter and fungal hyphae than fungal spores. Disparity of results between laboratory and field population comes from absence, or low density, of spores under normal conditions.

18632-68
MISCELLANEOUS PREY RECORDS OF SOLITARY WASPS. V. (HYMENOPTERA: ACULGATA).
K V Krombein
Brooklyn Entomol Soc Bull 58(4):118-120
Oct 1963 420 B79
Aculeata, Hymenoptera, Insect behavior, Predaceous insects, Reports.

18633-68
OBSERVATIONS, INCLUDING NEW PREY RECORDS, OF SOME NEARCTIC POMPILIDAE (HYMENOPTERA).
F E Kurczewski
Brooklyn Entomol Soc Bull 57(4):85-90
Oct 1962 420 B79
Hymenoptera, Insect behavior, Pompilidae, Research.

18634-68
VARIATION IN MALE GENITALIA OF DROSOPHILA AURARIA COLLECTED IN NATURE.
H Kurokawa
Annot Zool Jap 40(3):154-160 REF
Sep 1967 410 AN79
Drosophila auraria, Morphology, Reproductive organs.

Abstract: Among flies collected at Todoroki, a suburb of Tokyo, a few Drosophila auraria showed variable characteristics in male phallic organs. Some females collected at Nopporo in Hokkaido, which had been identified as race A at the time of collection, produced F1 offsprings showing variable characteristics in male phallic organs. The peculiarity in the phallic organs found in these males seems to be the same as that found in interracial hybrids obtained in experimental condition. It is, thus, conjectured that they might have derived from cross between different races in nature.

18635-68
SOME NOTES ON OVERWINTERING LADYBIRDS (COL., COCCINELLIDAE.
C Lane
Entomol Mon Mag (SER.4)97(257-259):99-100
May 1961 421 EN86
Coccinellidae, Coleoptera, Hibernation, Insect behavior, Reports.

18636-68
ROUND THE BLUE LAMP.
C Lane
Entomol Mon Mag (SER.4)99(284-286):189-195 REF
Aug 1963 421 EN86
Entomology, Insect behavior, Insect collecting equipment, Light traps.

18637-68
HATCHING OF THE WINTER EGGS OF THE FRUIT-TREE RED SPIDER MITE (PANONYCHUS ULMI (KOCH)).
W I St. G Light M E John H J Gould K J Coghill
Ann Appl Biol 62(2):227-239
Oct 1968 442.8 AN72
Fruit, Insect behavior, Insect eggs, Mites, Panonychus ulmi, Reproduction.

18638-68
THE CALCIUM SENSITIVITY OF ATPASE ACTIVITY OF MYOFIBRILS AND ACTOMYOSINS FROM INSECT FLIGHT AND LEG MUSCLES.
K Maruyama J W S Pringle R T Tregear
169(1016):229-240 REF
27 Feb 1968
Actomyosins, Apis mellifera, Atpase, Biochemistry, Calcium, Coleoptera, Cryptocerata, Insect flight, Locusta migratoria, Muscles, Myofibrils.

18639-68
PETROBIA LATENS (MULLER)(ACARINA, TETRANYCHIDAE) RECORDED ON FRUIT IN KENT.
A M Massee
Entomol Mon Mag (SER.4)97(262-264):227
Oct 1961 421 EN86
Acarina, Fruit, Insect behavior, Petrobia latens, Tetranychidae.

18640-68
INFESTATION OF EMULSION PAINT BY THE FLY MEGASELIA SCALARIS (LOEW)(DIPT., PHORIDAE).
A W R McCrae
Entomol Mon Mag 102(1229-1231):24-243
Oct 1966 421 EN86
Diptera, Insect behavior, Megaselia scalaris, Phoridae.

18641-68
BIOCHEMICAL DIFFERENTIATION OF THE SIBLING BLACK WIDOW SPIDERS, LATRODECTUS MACTANS AND L. VARIOLUS.
J D McCrone
Psyche 74(3):212-217 REF
Sep 1967 421 P95
Biochemistry, Insect morphology, Insect physiology, Latrodectus mactans, Latrodectus variolus, Spiders.

18642-68
THE OLD HOUSE BORER.
T McIntyre R A St. George
U S D A Leafl 501,8P.
May 1968 1 AG840L
Aging, Fumigation, Household insects, Hylotrupes bajulus, Insect behavior, Insect identification, Natural control (insects).

18643-68
CHANGE IN PATTERNS OF INHIBITION BY ACTINOMYCIN D OF URIDINE-H3 INCORPORATION INTO SALIVARY GLAND RNA OF RHYNCHOSCIARA AT DIFFERENT LARVAL AGES.
R Meneghini H A Armelin F J S Lara
Biochem Biophys Res Commun 32(5):846-851 REF
06 Sep 1968 442.8 B5236
Actinomycin d, Biochemistry, Insect cultures, Larvae, Rhynchosciara, Rihonucleic acid, Salivary glands (insects), Uridine.

18644-68
LARVAE OF THE GREY CHIMOTH, ANTITYPE (POLIA) CHI (L.) (LEP., CARADRINIDAE), FEEDING ON LEAVES OF ONION (ALLIUM CEPA).
P M Miles
Entomol Mon Mag (SER.4)99(284-286):140
Aug 1963 421 EN86
Insect behavior, Larvae, Leaves, Lepidoptera, Moths, Onions.

18645-68
CIRCADIAN OSCILLATION CONTROLLING HATCHING: ITS ONTOGENY DURING EMBRYOGENESIS OF A MOTH.
D H Minis C S Pittendrigh
Science 159(3814):534-536
02 Feb 1968 470 SCI2
Diurnal rhythm, Embryology, Insect eggs, Insect physiology, Moths, Pectinophora gossypiella.

18646-68
NOTES ON THE BUPRESTIDAE.
G H Nelson
Brooklyn Entomol Soc Bull 57(2):56-60
Apr 1962 420 B79
Buprestidae, Insect identification, Insect migration, Research. A list of insects are given

18647-68
FLIGHT BEHAVIOUR OF THE AFRICAN MIGRATORY LOCUST (LOCUSTA MIGRATORIA MIGRATORIOIDES R. AND F.).
B Nickerson
Entomol Mon Mag (SER.4)98(267-9):80-81
Mar 1962 421 EN86
Andropogon, Feeding, Insect flight, Laboratories, Locusta migratoria migratorioides, Physiology, Research.

18648-68
AN EXPERIMENTAL STUDY OF THE EFFECT OF CHANGING LIGHT INTENSITY ON THE ACTIVITY OF ADULT LOCUSTS.
B Nickerson
Entomol Mon Mag (SER.4)99(284-286):139-140
Aug 1963 421 EN86

Acrididae, Cicadidae, Insect behavior, Insect physiology, Lighting, Research.

18649-68
NORTH CAROLINA INSECTICIDE REPORT FOR JANUARY 1- DECEMBER 31, 1967.
N C Dep Agr Bull 192:185 P.
Jun 1968 2 N81B
Aerial spraying, Biochemistry, Chemical control (insects), Insecticides, Legislation, Poisoning, Reports, Tables (data). The bulletin of the north carolina dept. of agriculture.

18650-68
MULTIPLICATION OF DROSOPHILA HEREDITARY VIRUS (SIGMA VIRUS) IN DROSOPHILA EMBRYONIC CELLS CULTIVATED IN VITRO.
A Ohanessian G Echalier
Nature 213(5080):1049-1050
11 Mar 1967 472 N21
Cells, Culture media, Drosophila, Embryology, Hereditary diseases, Insect diseases, Insect eggs, Virus diseases (animals).

18651-68
DRY SEASON BIOLOGY OF ANOPHELES GAMBIAE GILES IN THE SUDAN.
S M Omer J L Cloudsley-thompson
Nature 217(5131):879
02 Mar 1968 472 N21
Anopheles gambiae, Insect behavior, Insect cultures, Insect eggs, Insect traps, Ovaries, Pyrethrum, Research, Spraying.

18652-68
STUDIES ON THE CARRIER OF PESTICIDES. (KO)
S S Park J Y Lee K T Chun D S Lee
Korea Min Agr Forest Office Rural Develop Res Rep 10(3):129-139 REF
Sep 1967 22.5 K843
Benzene hexachloride, Epn, Insect vectors, Malathion, Pesticides. English summary.

18653-68
PHENOL OXIDASES OF A LOZENGE MUTANT OF DROSOPHILIA.
E E Peeples D R Barnett C P Oliver
Science 159(3814):548-552
02 Feb 1968 470 SCI2
Aging, Animal extracts, Drosophilia melanogaster, Insect physiology, Mutation, Oxidases, Phenols, Sex.

18654-68
PRELIMINARY OBSERVATIONS ON THE INCIDENCE AND BIOLOGY OF A MERMITHID NEMATODE OF AEDES SOLLICITANS (WALKER) IN LOUISIANA.
J J Petersen H C Chapman D B Woodard
Mosquito News 27(4):493-498 REF
Dec 1967 421 M85
Aedes sollicitans, Agamomeris culicis, Insect diseases, Mermithidae, Nematodes, Parasitism.

18655-68
THE MIGRATION OF INSECTS IN TH SPANISH CENTRAL PYRENEES, AUTUMN, 1958.
G C Phillips
Entomol Mon Mag (SER.4)96(247-249):145-148 MAP REF
Jul 1960 421 EN86
Insect dissemination, Insect flight, Insect migration, Zoogeography.

18656-68
NOTES ON THE COLLECTION OF BRITISH ANTS IN THE HOPE DEPARTMENT AT OXFORD.
A J Pontin
Entomol Mon Mag (SER.4)98(267-9):63
Mar 1962 421 EN86
Formicidae, Insect identification, Research. A list of ants are given

18657-68
SOME IMPROVED METHODS FOR KEEPING ANT NESTS IN THE LABORATORY.
A J Pontin
Entomol Mon Mag (SER.4)98(267-9):64-65
Mar 1962 421 EN86
Environment, Feeding, Formicidae, Insect physiology, Insect rearing, Laboratories, Research.

18658-68
A NOTE ON THE BEHAVIOR OF LASIUS FULIGINOSUS (LATR.)(HYM. FORMICIDAE).
A J Pontin
Entomol Mon Mag (SER.4)97(257-259):137
May 1961 421 EN86
Formicidae, Hymenoptera, Insect behavior, Lasius fuliginosus.

18659-68
ASSOCIATION OF FOLIN POSITIVE MATERIAL WITH THE BLOOD PROTEINS OF THE AMERICAN COCKROACH AND THE OVIPOSITION CYCLE.
G E Pratt
Nature 214(5092):1034-1035
03 Jun 1967 472 N21
Blood proteins, Insect physiology, Oviposition, Ovipositors, Periplaneta americana.

18660-68
PASSIVE DISPERSAL OF VIABLE ALGAE AND PROTOZOA BY CERTAIN CRANEFLIES AND MIDGES.
D L Revill K W Stewart H E Schlichting
Ecology 48(6):1023-1027,AUTUMN REF
1967 410 EC7
Algae, Cecidomyiidae, Chaoborus, Ecology, Insect vectors, Protozoa, Tipulidae.

18661-68
THE PREY OF A RHODESIAN POMPILID WASP.
O W Richards
Entomol Mon Mag (SER.4)98(266): 38
Feb 1962 421 EN86
Food, Insect behavior, Pompilidae.

18662-68
VAGRANT ERIOPHYID MITES ON ELM.
R H Richens
Entomol Mon Mag (SER.4)97(262-264):264
Oct 1961 421 EN86
Eriophyidae, Insect behavior, Mites, Ulmus.

18663-68
AERONAUTIC BEHAVIOR IN THE GENUS PARDOSA (ARANEAE, LYCOSIDAE).
C J J Richter
Entomol Mon Mag 103(1235-37):73-74
Apr 1967 421 EN86
Biology, Insect behavior, Insect flight, Laboratories, Pardosa, Research.

18664-68
RECORDS OF HYMENOPTEROUS PARASITES AND HYPERPARASITES OF CERTAIN FRUIT-TREE APHIDS.
G H L Rothschild
Entomol Mon Mag (SER.4)99(282-283):126-127
Jun 1963 421 EN86
Aphididae, Fruit, Hymenoptera, Insect behavior, Parasitism, Reports, Trees.

18665-68
A FURTHER NOTE ON INSECT MIGRATION ON THE NORTH COAST OF FRANCE.
M Rothschild
Entomol Mon Mag (SER.4)99(284-286):163-164
Aug 1963 421 EN86
Insect behavior, Insect migration.

18666-68
ACETYLCHOLINESTERASE INSENSITIVITY IN THE BIARRA STRAIN OF THE CATTLE TICK BOOPHILUS MICROPLUS, AS A CAUSE OF RESISTANCE TO ORGANOPHOSPHORUS AND CARBAMATE ACARICIDES.
W J Roulston H J Schnitzerling C A Schuntner
Australian J Biol Sci 21(4):759-767
Aug 1968 442.8 AU72
Acaricides, Acetylcholinesterases, Boophilus microplus, Carbamates, Diazinon, Metabolism, Organic compounds, Phosphorus, Toxicology.

18667-68
MECHANICAL FACTORS AFFECTING THE ATPASE ACTIVITY OF GLYCEROL-EXTRACTED INSECT FIBRILLAR FLIGHT MUSCLE.
J C Ruegg R T Tregear
165(1001):497-512
11 Oct 1966
Atpase, Biochemistry, Calcium, Cryptocerata, Glycerol, Insect flight.

18668-68
INVISIBLE INSECTS WHICH CAUSE ITCHES MAY BE A SOURCE OF BUSINESS FOR PCOS.
D E Schneider
Pest Contr 36(10):68-74
Oct 1968 449.8 EX8
Agricultural outlook, Chemicals, Insect pests, Pest control, Research, Sampling (statistics).

18669-68
ALKALINE PHOSPHATASE RELATIONSHIPS IN DROSOPHILA.
H Schneiderman
Nature 216(5115):604-605
11 Nov 1967 472 N21
Alkaline phosphatase, Biochemistry, Drosophila melanogaster, Electrophoresis, Insect physiology, Larvae, Trypsin.

18670-68
LARVAL-PUPAL TRANSFORMATION: CONTROL BY JUVENILE HORMONE.
F Sehnal A S Meyer
Science 159(3818):981-984 REF
01 Mar 1968 470 SCI2
Galleria, Hormones, Insect morphology, Larvae, Pupae.

18671-68
EFFECT OF BLOOD FRACTIONS UPON OVIPOSITION IN CULEX(CULEX) FATIGANS WIEDEMANN (DIPT., CULICIDAE).
M W Service
Entomol Mon Mag (SER.4)21(245): 98-100
May 1960 421 EN86
Blood, Culex, Culex quinquefasciatus, Culicidae, Diptera, Insect physiology, Ovulation.

18672-68
HYPERA (PHYTONOMUS) ARATOR L. (COL., CURCULIONIDAE) ASSOCIATED WITH ACIDITY IN BARLEY.
M W Shaw
Entomol Mon Mag (SER.4)21(245): 104
May 1960 421 EN86
Acids, Barley, Coleoptera, Insect behavior, Insect pests.

18673-68
LARGE NUMBERS OF ALPHITOBIUS DIAPERINUS PANZ. (COL., TENEBRIONIDAE) IN BROILER HOUSES.
M W Shaw
Entomol Mon Mag (SER.4)97(262-264):230
Oct 1961 421 EN86
Alphitobius diaperinus, Chickens, Coleoptera, Houses, Population.

18674-68
THE GOLDEN BUPRESTID (COL.) IN BRITAIN- A POSTSCRIPT.
M W Shaw
Entomol Mon Mag (SER.4)98(267-9):96
Mar 1962 421 EN86
Buprestis aurulenta, Morphology, Research.

18675-68
STUDIES ON THE SCUTELLAR BRISTLES OF DROSOPHILA MELANOGASTER, I, BASIC VARIABILITY, SOME TEMPERATURE AND

18676-68

CULTURE EFFECTS, AND RESPONSES TO SHORT-TERM SELECTION IN THE OREGON-RC STRAIN.
B L Sheldon
Australian J Biol Sci 21(4):721-740 REF
Aug 1968 442.8 AU72
Alleles, Anatomy, Culture media, Drosophila melanogaster, Environment, Morphology, Temperature.

18676-68
FOOD ECOLOGY OF APHIDOPHAGOUS INSECTS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
B C Smith
19-22 REF.
1966
Food, Insect ecology, Mortality, Parasitic insects, Predaceous insects, Research.

18677-68
EFFECT OF FOOD ON SOME APHIDOPHAGOUS COCCINELLIDAE. IN: HODEK, I. ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
B C Smith
75-81
1966
Coccinellidae, Fertility, Food, Insect behavior, Insect morphology, Insect physiology, Larvae, Longevity, Predaceous insects, Tables (data), Zoogeography.

18678-68
SOME SPECIES OF SARCOPHAGA (DIPT., CALLIPHORIDAE OCCURRING AT FETCHAM, SURREY.
K G Smith
Entomol Mon Mag (SER.4)98(267-9):81
Mar 1962 421 EN86
Insect dissemination, Insect identification, Research, Sarcophaga.

18679-68
INHIBITION OF DEVELOPMENT IN DROSOPHILA BY CORTISONE.
P D Smith P B Koenig J C Lucchesi
Noture 217(5135):1286
30 Mar 1968 472 N21
Chromosomes, Cortisone, Culture media, Drosophila, Genes, Insect morphology, Ribonucleic acid, Salivary glands (insects).

18680-68
CONTROL OF TARSONEMID MITES IN FUNGAL CULTURES.
R S Smith
Mycologio 59(4):600-609 REF
Jul 1967 450 M99
Acaricides, Chemical control (pests), Culture media, Fungi, Mites, Tarsonemidae.

18681-68
NOTES ON LIGHT TRAP CATCHES OF HETEROPTERA MADE IN THE TROPICS.
T R E Southwood
Entomol Mon Mog (SER.4)21(245): 114-117
May 1960 421 EN86
Heteroptera, Insect behavior, Insect traps, Light traps, Research.

18682-68
SOME AGROMYZIDAE (DIPTERA) FROM MOROCCO.
K A Spencer
Entomol Mon Mog 103(1235-37):126-130
Apr 1967 421 EN86
Agromyzidae, Biology, Cuticle, Insect dissemination, Insect identification, Research.

18683-68
THE NATURAL HISTORY OF MONOMORIUM PHARAONIS (L.) (HYM., FORMICIDAE) INFESTING HOUSES IN NIGERIA.
J H Sudd
Entomol Mon Mog (SER.4)98(270-2):164-166
Jun 1962 421 EN86
Food, Histology, Houses, Insect dissemination, Laboratories, Monomorium pharaonis, Reports.

18684-68
STUDIES ON THE OVIPOSITION BEHAVIOR AND THE DEVELOPMENT OF THE TYPE OF AEDES AEGYPTI L. (DIPT., CULICIDAE). V.
G Surtees
Entomol Mon Mog (SER.4)96(262): 121-123 REF
Jun 1960 421 EN86
Aedes aegypti, Chemoreceptors, Insect behavior, Insect ecology, Insect temperature, Light, Oviposition, Reproduction.

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STUDIES ON THE OVIPOSITION BEHAVIOR AND DEVELOPMENT OF THE TYPE FORM OF AEDES AEGYPTI L. (DIPT., CULICIDAE). IV. LIGHT INTENSITY.
G Surtees
Entomol Mon Mog (SER.4)21(245): 103
May 1960 421 EN86
Aedes aegypti, Culicidae, Diptera, Insect behavior, Insect physiology, Light, Ovulation, Research.

18686-68
STUDIES ON THE OVIPOSITION BEHAVIOUR AND DEVELOPMENT OF THE TYPE FORM OF AEDES AEGYPTI L. (DIPT., CULICIDAE). III. TEMPERATURE.
G Surtees
Entomol Mon Mag (SER.4)21(245): 101-102
May 1960 421 EN86
Aedes aegypti, Culicidae, Diptera, Insect behavior, Insect physiology, Ovulation, Research, Temperature.

18687-68
THE PARASITES OF BRITISH BIRDS AND MAMMALS. XXXV. THE ECTOPARASITES OF THE SWALLOW (HIRUNDO RUSTICA RUSTICA L.).
G B Thompson
Entomol Mon Mog (SER.4)97(256): 79-83 REF
Apr 1961 421 EN86
Birds, Insect behavior, Mammals, Parasitism.

18688-68
THE PARASITES OF BRITISH BIRDS AND MAMMALS. XXXVI. NEW RECORDS OF BAT PARASITES.
G B Thompson
Entomol Mon Mag (SER.4)97(257-259):131-134
May 1961 421 EN86
Bats, Birds, Insect behavior, Mammals, Nycteribiidae, Parasitism, Taxonomy.

18689-68
X-RAY INDUCTION OF AUTOSOMAL TRANSLOCATIONS IN MATURE OOCYTES OF DROSOPHILA MELANOGASTER.
H Traut
Noture 214(7089):718-719
13 May 1967 472 N21
Drosophila melanogaster, Insect dissemination, Irradiation, Morphology, Research, X-rays.

18690-68
THE ULTRASTRUCTURE OF THE METASTERNAL GLANDS OF ANTS.
G S Tulloch J E Shapiro B Hershenov
Brooklyn Entomol Soc Boll 57(4):91-101
Oct 1962 420 B79
Electrons, Formicidae, Insect anatomy, Light.

18691-68
THE INTERRELATIONSHIP OF THE APHID ACYRTHOSIPHON PISUM, AND ITS PARASITE, APHIDIUS SMITHI, IN A STABLE ENVIRONMENT.
R Van Den Bosch C F Lagace V M Stern
Ecology 48(6):993-1000,AUTUMN REF
1967 410 EC7
Acyrthosiphon pisum, Alfalfa, Aphididae, Aphidius smithi, Demography, Ecology, Parasitism.

18692-68
BARK BEETLE AGGREGATION: EFFECTS OF FEEDING ON THE RELEASE OF PHEROMONES IN DENDROCTONUS AND IPS.
J P Vite G B Pitman
Noture 218(5137):
13 Apr 1968 472 N21
Bark, Dendroctonus brevicomis, Dendroctonus frontalis, Dendroctonus ponderosae, Insect physiology, Ips, Parasitism, Pheromones.

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CHEMICAL INSECT CONTROL HANDBOOK. SB951.0W3.
226 P. PULLMAN, WASHINGTON STATE UNIVERSITY
Apr 1968
Accident prevention, Biochemistry, Chemical control (insects), Crops, Handbooks, Insect control, Insect pests, Insecticides, Livestock, Mites, Plant injuries, Reference materials, Tables (data).

18694-68
POPULATION STUDIES ON THE ACTIVE STAGES OF THE BLACK BEAN APHID, APHIS FABAE SCOP., ON ITS WINTER HOST EQUONYMUS EUROPAEUS L.
M J Way C J Banks
Ann Appl Biol 62(2):177-197 REF
Oct 1968 442.8 AN72
Aphis fabae, Beans, Euonymus europaeus, Insect behavior, Population, Research.

18695-68
STUDIES ON THE PERSISTENCE AND EFFECTS ON SOIL FAUNA OF SOME SOIL-APPLIED SYSTEMIC INSECTICIDES.
M J Way N E A Scopes
Ann Appl Biol 62(2):199-214
Oct 1968 442.8 AN72
Biochemistry, Insect control, Insecticides, Pesticide residues, Research, Soils.

18696-68
IMPORTANCE OF INTRASPECIFIC COMPETITION IN APHIDS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
M J Way
283
1966
Aphididae, Aphis fabae, Insect cages, Morphology, Mortality, Reproduction, Research.

18697-68
PATTERN RECOGNITION IN BEES.
R Wehner
Nature 215(5107):1244-1248 REF
16 Sep 1967 472 N21
Bees, Experimental insects, Measurement, Research, Stimulants, Vision.

18698-68
THE FREQUENCY OF OCCURRENCE OF MACROPTEROUS FORMS OF NORMALLY BRACHYTEROUS SPECIES OF HEMIPTERA-HETEROPTERA DURING 1959.
G E Woodroffe
Entomol Mon Mag (SER.4)96(241): 13
Jan 1968 421 EN86
Environment, Genetics, Hemiptera, Heteroptera, Polymorphism, Research. A list of insects are given

18699-68
X-RAY STALKS OLD HOUSE BORER.
H O Yates III
Pest Contr 36(10):52-59
Oct 1968 449.8 EX8
Equipment, Pest control, Radiography, Research, Surveys, X-rays.

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18700-68
CAFFEINE-INDUCED MUTAGENESIS IN DROSOPHILA.
T Alderson A H Khan
Nature 215(5105):1080-1081
02 Sep 1967 472 N21
Agar, Biochemistry, Caffeine, Drosophilidae, Feeding, Injections, Insect genetics, Mutagens, Mutation, Ribonucleic acid.

18701-68
SALIVARY GLAND CHROMOSOMES IN FOUR SPECIES OF TROPICAL ANOPHELINES: A. SUBPICTUS, A. VAGUS, A. HYRCANUS NIGERRIMUS AND A. BARBIROSTRIS.
B N Chowdaiah T T Avirachan P L Seetharam
Indian Acad Sci Proc Sect B 65(5):181-184 REF
May 1967 513 IN25B
Anopheles, Chromosomes, Cytology, Insect evolution, Insect genetics, Salivary glands.

18702-68
GENE ACTIVATION WITHOUT HISTONE ACETYLATION IN DROSOPHILA MELANOGASTER.
E G Ellgaard
Science 157(3792):1070-1072
01 Sep 1967 470 SC12
Acetates, Autoradiography, Drosophila melanogaster, Genes, Histones, Insect genetics, Radioactive tracers.

Abstract

18703-68
NATURAL SELECTION AND FEEDING SPEED IN A BLOOD-SUCKING INSECT.
J D Gillett
167(1008):316-329 REF
28 Mar 1967
Aedes aegypti, Aedes africanus, Culicidae, Hypersensitivity, Natural sclection, Parasitic insects, Salivary glands (insects).

Abstract: Mosquitoes, which depend on a blood meal for egg production, must complete their meal within the safety period in order to lay a full complement of eggs. Thus, fast feeders and those producing a delay in the onset of irritation will tend to lay more eggs, and these two properties will be maintained by natural selection.

18704-68
THE INHERITANCE OF A PEARL-EYED MUTATION OF TROGODERMA GRANARIUM EVERTS (COL., DERMESTIDAE).
E M Reynolds N K Sylvester
Entomol Mon Mag (SER.4)97(262-264):221-224
Oct 1961 421 EN86
Coleoptera, Eyes, Inheritance, Mutation, Trogoderma granarium.

MEDICAL ENTOMOLOGY

18705-68
DOMESTIC QUARATINE NOTICES. JAPANESE BEETLES.
R J Anderson
Fed Regist 33(164):11887-11890
22 Aug 1968 L1.451
Agricultural regulation, Animal quarantine, Insect control, Insect dissemination, Livestock diseases, Popillia japonica.

18706-68
DEGRADATION OF HUMAN SERUM PROTEINS IN THE DIGESTIVE TRACT OF MOSQUITOES.
P Mattern R Masseycff R Taufflieb M Cornet
Nature 215(5106):1193-1194
09 Sep 1967 472 N21
Culex quinquefasciatus, Environment, Enzymes, Feeding, Gastrointestinal system, Humans, Immunology, Proteins, Research, Serum.

18707-68
CONTROL OF MOSQUITOES WITH DURSBAN INSECTICIDE APPLIED AS A THERMAL FOG.
W O Miller J C McNeill D W Micks P D Ludwig
Mosquito News 28(1):58-62 REF
Mar 1968 421 M85
Chemical control (insects), Culex pipiens quinquefasciatus, Insecticidal aerosols, Malathion, Naled.

18708-68
ANNUAL REPORT OF THE INSECT VECTOR CONTROL DIVISION (PREVIOUSLY THE MALARIA DIVISION) OF THE MINISTRY OF HEALTH AND HOUSING OF THE GOVERNMENT OF TRINIDAD AND TOBAGO FOR THE YEAR 1966.
Trinidad Tobago Min Health Housing Insect Vector Contr 34P.
1966 448.9 T73
Aedes aegypti, Blood tests, Climate, Diagnosis, Drug therapy, Human diseases, Insect traps, Insect vectors, Malaria, Malaria control, Spraying, Tables (data), Temperature, Weather.

18709-68
ULTRA-LOW VOLUME AND CONVENTIONAL AERIAL SPRAYS FOR CONTROL OF ADULT SALT-MARSH MOSQUITOES, AEDES SOLLICITANS (WALKER) AND AEDES TAENIORHYNCHUS (WIEDEMANN), IN FLORIDA.
G A Mount C S Lofgren
Mosquito News 27(4):473-477 REF
Dec 1967 421 M85
Aedes sollicitans, Aedes taeniorhynchus, Aerial spraying, Chemical control (insects), Dosage, Fenthion, Insecticides, Malathion, Naled, Tidal marshes.

18710-68
OBSERVATIONS AND SPECULATIONS CONCERNING THE FLEA VECTOR OF MYXOMATOSIS IN BRITAIN.
M Rothschild
Entomol Mon Mag (SER.4)21(245): 106-109 REF
May 1960 421 EN86
Insect vectors, Myxomatosis, Research, Siphonaptera, Virus diseases (animals).

18711-68
HUMAN MALARIA IN NON-HUMAN PRIMATES: EXPERIMENTAL MOSQUITO TRANSMISSION AND INFECTION.
L C Rutledge D J Gould F C Cadigan V Chaicumpa
Mosquito News 28(1):46-49 REF
Mar 1968 421 M85
Animal diseases, Culicidae, Epidemiology, Insect vectors, Malaria, Monkeys, Plasmodium falciparum, Plasmodium vivax, Zoonoses.

18712-68
A REVIEW OF THE STATE'S TEN YEARS (1948-1957). RA644.M2I8.
Z Saliternik
47 P. REF
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Anopheles, Biochemistry, Chemical control (insects), Culex, Entomology, Human diseases, Insect vectors, Malaria, Malaria control, Research, Reviews, Schistosomiasis.

18713-68
DOMESTIC QUARANTINE NOTICES. JAPANESE BEETLE. REGULATED AREAS.
D R Shepherd
Fed Regist 33(164):11890-11892
22 Aug 1968 L1.451
Agricultural regulation, Animal quarantine, Insect dissemination, Insect vectors, Popillia japonica.

18714-68
EVALUATION OF THERMAL AND NONTHERMAL FOGS AGAINST FOUR SPECIES OF MOSQUITOES.
R T Taylor H F Schoof
Mosquito News 28(1):8-- REF
Mar 1968 421 M85
Aedes taeniorhynchus, Anopheles albimanus, Chemical control (insects), Culex pipiens quinquefasciatus, Insecticidal aerosols, Isopropoxyphenyl methylcarbamate, o-, Naled.

18715-68
ZOONOSES IN THE TROPICS.
J Van Der Hoeden
Refuah Vet 24(2):88-87
Jun 1967 41.8 R25
Animal diseases, Animal vectors, Human diseases, Public health, Zoonoses.

18716-68
THE EFFECTS OF VARIOUS ANESTHETICS ON THE ACTION OF DDT ON ANOPHELES LARVAE.
S A White J C Jones
Mosquito News 28(1):29-33 REF
Mar 1968 421 M85
Anesthetics, Anopheles quadrimaculatus, Ddt, DDT, DDt, Insect physiology, Insecticide synergists, Larvae.

CROP PRODUCTION

18717-68
EFFECT OF GIBBERELLIC ACID ON GENETICALLY CONTROLLED TUMOUR FORMATION AND VASCULARIZATION IN TOMATO.
M R Ahuja G R Doering
Nature 216(5117):800-801 REF
25 Nov 1967 472 N21
Breeding, Crown galls, Genes, Gibberellic acid, Plant anatomy, Plant genetics, Plant physiology, Research, Tomatoes.

18718-68
EXUDATION OF AMINO ACIDS BY INTACT AND DAMAGED ROOTS OF WHEAT AND PEAS.
W A Ayers R H Thornton
Plant Soil 28(2):193-207 REF
Apr 1968 450 P696
Amino acids, Culture media, Nitrogen, Oxygen, Peas, Plant injuries, Quantitative analysis, Roots, Seedlings, Wheat.

18719-68
COTTON. SEEDLING DISEASES; VARIOUS ORGANISMS.
C W Blackman
Amer Phytopathol Soc (rep) 23:116-118
1967 464.9 AM31R
Chemicals, Cotton, Crop yields, Research, Seed treatment, Tables (data).

18720-68
COTTON. SEEDLING DISEASES, SEVERAL FUNGI.
C W Blackman
Amer Phytopathol Soc (rep) 23:96-98
1967 464.9 AM31R
Cotton, Crop yields, Fungi, Plant diseases, Research, Spraying, Tables (data).

18721-68
THIABENDAZOLE CONTROL OF PENICILLIUM ROT OF MCINTOSH APPLES.
G D Blanpied A Purnasiri
Plant Dis Rep 52(11):867-871
Nov 1968 1.9 P69P
Apples, Chemical control (plant diseases), Fungicides, Penicillium expansum, Research, Storage, Thiazolyl)-benzimidizole, 2-(4-.

18722-68
TOMATO. GRAY LEAF SPOT, BACTERIAL LEAF SPOT; STEMPHYLIUM SOLANI, XANTHOMONAS VESICATORIA.
C H Blazquez
Amer Phytopathol Soc (rep) 23:87-88
1967 464.9 AM31R

Bactericides, Chemical control (plant diseases), Crop yields, Fungicides, Humidity, Spraying, Stemphylium solani, Tables (data), Tomatoes, Xanthomonas vesicatoria.

18723-68
POPLAR HYBRID, STORAGE BREAKDOWN; UNKNOWN CAUSE.
L W Carlson C Lindquist
Amer Phytopathol Soc (rep) 23:111
1967 464.9 AM31R
Chemicals, Fungicides, Plant cuttings, Research, Storage, Tables (data).

18724-68
WHITE SPRUCE DAMPING-OFF; SEVERAL, INCLUDING SPP. OF PYTHIUM, RHIZOCTONIA, AND FUSARIUM.
L W Carlson
Amer Phytopathol Soc (rep) 23:127
1967 464.9 AM31R
Captan, Chemical control (plant diseases), Fusarium, Pythium, Research, Rhizoctonia, Soils.

18725-68
POTATO. SEED PIECE DECAY, RHIZOCTONIA SOLAN.
R C Cetas
Amer Phytopathol Soc (rep) 23:120-121
1967 464.9 AM31R
Chemical control (plant diseases), Crop yields, Dusting, Fertilizers, Fungicides, Insecticides, Potatoes, Rhizoctonia solani, Storage.

18726-68
RESPONSE OF MERISTEMS TO INDOLEACETIC ACID AND COLCHICINE: DIFFERENCES BETWEEN PRIMORDIA AND ROOT MERISTEMS.
D Davidson R D MacLeod
Bot Gaz 129(2):166-171
Jun 1968 450 B652
Abnormalities, Broadbeans, Colchicine, Indoleacetic acid, Research, Roots, Seed treatment.

18727-68
SUGAR BEET. LEAF SPOT, CERCOSPORA BETICOLA.
C J Delp A W Engelhard
Amer Phytopathol Soc (rep) 23:102-103
1967 464.9 AM31R
Cercospora beticola, Chemical control (plant diseases), Fungicides, Spraying, Sugar beets.

18728-68
CHARACTERIZATION OF DIFFERENTIAL ALUMINUM TOLERANCE AMONG VARIETIES OF WHEAT AND BARLEY.
C D Foy A L Fleming G R Burns W H Armiger
Soil Sci Soc Amer Proc 31(4):513
Jul 1967 56.9 SO3
Aluminum, Barley, Nutrient solutions (plants), Research, Roots, Wheat.

18729-68
PARASITOLOGY OF THE STRAWBERRY.
G L Gilles
Horticultural Abs 38(3):678
Sep 1968 241 IM74
Fungus diseases (plants), Insect pests, Nematodes, Parasitism, Plant protection, Strawberries, Virus diseases (plants).

18730-68
SORGHUM (RS610 AND RS625) (PINK KAFIR). SEED ROTS AND SEEDLING BLIGHTS, COVERED KERNEL SMUT; FUSARIUM, PYTHIUM, RHIZOCTONIA.
E D Hansing P S Rao J C Reyes
Amer Phytopathol Soc (rep) 23:121-122
1967 464.9 AM31R
Chemical control (plant diseases), Fusarium, Injections, Pythium, Research, Rhizoctonia, Sorghum, Tables (data).

18731-68
WHEAT (RED CHIEF). BUNT, TILLETIA FOETIDA.
E D Hansing
Amer Phytopathol Soc (rep) 23:126-127
1967 464.9 AM31R
Chemicals, Fungicides, Injections, Research, Tables (data), Tilletia foetida, Wheat.

18732-68
PLANT PATHOLOGY DEPARTMENT.
J M Hirst
Rothamsted Exp Sta Rep 1967:120-140
1968 103 R74GA
Chemical control (plant diseases), Crops, Fungus diseases (plants), Heat, Plant disease transmission, Proteins, Reports, Seedlings, Soil fumigation, Tables (data), Virus diseases (plants).

18733-68
MOLYBDENUM DEFICIENCY SYMPTOMS IN COTTON.
T L Kallinis H Vretta-Kouskoleka
Soil Sci Soc Amer Proc 31(4):507
Jul 1967 56.9 SO3
Deficiency diseases, Leaves, Molybdenum compounds, Nutrient solutions (plants), Upland cotton.

18734-68
TOMATO. FUSARIUM WILT, FUSARIUM OXYSPORUM F. LYCOPERSICI.
G Kantzes
Amer Phytopathol Soc (rep) 23:88
1967 464.9 AM31R
Chemical control (plant diseases), Fusarium oxysporum, Injections, Research, Soil fumigation, Tables (data), Tomatoes.

18735-68
APPLES. ROOT LESION NEMATODE, DAGGER NEMATODE; PRATYLENCHUS PENETRANS, XIPHINEMA AMERICANUM.
J A Knierim M A Veenstra F R Fronek
Amer Phytopathol Soc (rep) 23:127-128
1967 464.9 AM31R
Apples, Chemical control (insects), Chemicals, Pratylenchus penetrans, Research, Soil analysis, Xiphinema americanum.

18736-68
RICE. DAMPING-OFF OF DRILL-SEEDED RICE; SEED-AND SOIL-BORNE PATHOGENS.
H A Lamey E R Wascom C D Brister H R Caffey
Amer Phytopathol Soc (rep) 23:101-102
1967 464.9 AM31R
Chemicals, Rice, Seed germination, Seed treatment, Seeds, Soils, Tables (data).

18737-68
RICE. SEED ROT OF WATER-SEEDED RICE, AQUATIC AND RELATED FUNGI.
H A Lamey E R Wascom C D Brister H R Caffey
Amer Phytopathol Soc (rep) 23:100
1967 464.9 AM31R
Aquatic fungi, Chemicals, Research, Rice, Seed planting, Storage, Tables (data), Water.

18738-68
APPLE. SCAB, MILDEW, MITES; VENTURIA INAEQUALIS PODOSPHAERA LEUCOTRICHA, PANONYCHUS ULMI, AND TETRANYCHUS TELARIUS.
F H Lewis
Amer Phytopathol Soc (rep) 23:43
1967 464.9 AM31R
Apples, Chemicals, Panonychus ulmi, Podosphaera leucotricha, Research, Tetranychus telarius, Trees, Venturia inaequalis.

18739-68
TOMATO. BUCKEYE ROT, PHYTOPHTHORA PARASITICA.
G D Lewis F Stellatella J Styers
Amer Phytopathol Soc (rep) 23:89
1967 464.9 AM31R
Chemicals, Phytophthora parasitica, Research, Spraying, Tomatoes, Weather.

18740-68
SORGHUM. SEEDLING BLIGHT, RHIZOCTONIA SP. AND FUSARIUM SP.
N R Malm D C H Hsi R E Finkner
Amer Phytopathol Soc (rep) 23:123
1967 464.9 AM31R
Captan, Dieldrin, Fusarium, Greenhouse culture, Pentachloronitrobenzene, Research, Rhizoctonia, Seed treatment.

18741-68
MORPHOLOGICAL AND CHEMICAL ANALYSES OF RED PINE (PINUS RESINOSA AIT.) BUDS. THEIR RELATIONSHIPS TO TREE GROWTH ON A K-DEFICIENT TO NON-DEFICIENT SITE CONTINUUN.
G M Marion J V Berglund A L Leaf
Plant Soil 28(2):313-324 REF
Apr 1968 450 P696
Chemistry, Correlation, Morphology, Physiology, Pinus resinosa, Research, Soil structure, Trees.

18742-68
SWEET POTATO. SOIL ROT, STREPTOMYCES IPOMOEA.
W J Martin
Amer Phytopathol Soc (rep) 23:104
1967 464.9 AM31R
Chemicals, Harvesting, Research, Soil moisture, Soil temperature, Streptomyces ipomoea, Sweetpotatoes.

18743-68
EFFECTS OF MALIC ACID SALTS ON GROWTH OF YOUNG COTTON EMBRYOS IN VITRO.
J R Mauney J Chappell B J Ward
Bot Gaz 128(3):198-200
Sep 1967 450 B652
Ammonium, Calcium citrate, Chromatography, Cotton, Culture media, Malic acid, Physiology, Plant growth inhibitors, Research, Succinates.

18744-68
METHOD FOR REGULATING PLANT GROWTH. PATENT 3,376,125.
W C McConnell H W Rahn
Us Patent Office Offic Gaz 849(1):165
02 Apr 1968 156.65 OF2
Patents, Plant nutrition, Plant regulators, Seeds, Sodium azide.

18745-68
DECLINE OF QUINCE-ROOTED PEAR TREES IN SANTA CLARA COUNTY.
L B Jr. McNelly J A Beutel
Horticultural Abs 38(3):679
Sep 1968 241 IM74
Nutrition, Pears, Quinces, Trees.

18746-68
THE EFFECT OF SILICA ON THE GROWTH OF RICE PLANT. (KO)
Y D Park
Korea Min Agr Forest Office Rural Develop Res Rep 10(3):55-61
Sep 1967 22.5 K843
Hydroponics, Insects, Nutrient solutions (plants), Plant physiology, Research, Rice, Roots, Silica. English summary.

18747-68
ORCHID. FLOWER SPOT, BOTRYTIS CINEREA.
J L Peterson S H Davis Jr.
Amer Phytopathol Soc (rep) 23:111
1967 464.9 AM31R
Botrytis cinerea, Flowers, Fungicides, Greenhouses, Orchidaceae, Research, Toxicology.

18748-68
INCIDENCE OF BROWN STEM ROT OF SOYBEANS IN NORTH CAROLINA.
D V Phillips J P Ross
Plant Dis Rep 52(11):895-896
Nov 1968 1.9 P69P
Brown stem rot (soybeans), Cephalosporium gregatum, Crop yields, Culture media, Research, Soybeans.

18749-68
CHANGES IN THE STRUCTURE OF DIFFERENT VARIETIES OF WHEAT CULM IN DIFFERENT LOCALITIES AFTER TREATMENT WITH CCC. (ge)
E Primost G Rittmeyer
Z Acker- Pflanz 128(2):117-138 REF
Aug 1968 18 J825
Biochemistry, CCc, Culm, Nodules (plants), Plant hardiness, Plant physiology, Plant translocation, Research, Wheat. English summary.

18750-68
PLANT TREATMENT IN RELATION TO THE RHIZOSPHERE EFFECT I. PRETREATMENT OF ROOTS OF RICE SEEDLINGS TO CERTAIN CHEMICALS AND ANTIBIOTICS ON THE RHIZOSPHERE MICROFLORA.
T K Ramachandra Freddy
Plant Soil 28(2):347-356 REF
Apr 1968 450 P696
Chemicals, Crops, Nutrient solutions (plants), Research, Rhizosphere, Rice, Roots, Seedlings.

18751-68
MICROORGANISMS IN PADDY SOIL. S597.R3.
G Rangaswami R Venkatesan
192 P. REF INDIA, TRICHINOPOLY UNITED PRINTERS
1966
Bacteria, Land, Manures, Nitrogen, Plants, Population, Rice, Roots, Soil microorganisms, Soils, Water.

18752-68
BARLEY. LOOSE SMUT, USTILAGO NUDA.
H E Reed A Y Chambers
Amer Phytopathol Soc (rep) 23:95
1967 464.9 AM31R
Barley, Crop yields, Fungicides, Research, Seed treatment, Seedlings, Ustilago nuda.

18753-68
CONCENTRATIONS OF GIBBERELLIN IN CHILLED HAZEL SEEDS.
J D Ross J W Bradbeer
Nature 220(5162):85-86
05 Oct 1968 472 N21
Assay, Cold, Corylus avellana, Gibberellins, Plant physiology, Plant translocation, Research, Seed dormancy, Seedlings, Temperature.

18754-68
NORTHERN PIN OAK. CHLOROSIS, IRON DEFICIENCY.
D F Schocneweiss
Amer Phytopathol Soc (rep) 23:110-111
1967 464.9 AM31R
Chemicals, Chlorosis (plants), Plant nutritional deficiencies, Quercus palustris, Research, Soil analysis, Soil structure, Tables (data), Trees.

18755-68
TOMATO. ANTHRACNOSE AND EARLY BLIGHT; COLLETOTRICHUM SPP., ALTERNARIA SOLANI.
W T Schroeder
Amer Phytopathol Soc (rep) 23:91-92
1967 464.9 AM31R
Alternaria solani, Chemicals, Colletotrichum, Fungicides, Research, Spraying, Tables (data), Tomatoes.

18756-68
ABSTRACTS OF THE 1968 ANNUAL MEETING OF THE POTOMAC DIVISION OF THE AMERICAN PHYTOPATHOLOGICAL SOCIETY.
Phytopathology 58(7):883-888
Jul 1968 464.8 P56
Phytopathology, Plant disease control, Research.

18757-68
STEROL-LIKE COMPOUNDS WITH AUXIN ACTIVITY IN HUMAN URINE.
J C Vendkig
Z Pflanzenphysiol 57(2):113-127 REF
May 1967 450 Z32
Biochemistry, Chromatography, Hydrolysis, Indoleacetic acid, Plant hormones, Research, Steroids, Ultraviolet rays, Urine. German summary.

18758-68
SEED TRANSMISSION STUDIES OF MAIZE DWARF MOSAIC VIRUS IN CORN.
L E Williams W R Findley E J Dollinger R M Ritter
Plant Dis Rep 52(11):863-864
Nov 1968 1.9 P69P
Biological transport, Dwarf disease (corn), Greenhouse culture, Harvesting, Research, Seedlings, Virus diseases (plants).

18759-68
THE EFFECT OF FOUR ORGANOPHOSPHOROUS INSECTICIDES ON COCCINELLIDS AND CHRYSOPIDS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
J Zeleny
337-340
1966
Aphididae, Chemical control (pests), Chrysopidae, Coccinellidae, Insecticides, Organic compounds, Research.

18760-68
INFLUENCE OF FOLIAGE RUST ON YIELD, TEST WEIGHT, AND OIL PERCENTAGE OF SAFFLOWER SEED.
D E Zimmer A L Urie
Plant Dis Rep 52(11):876-878
Nov 1968 1.9 P69P
Crop yields, Harvesting, Maneb, Planting, Puccinia carthami, Research, Safflower, Spraying.

DISEASES

18761-68
PEANUT. SEEDLING BLIGHT: RHIZOCTONIA, FUSARIUM, AND THIELAVIOPSIS SPP.
Amer Phytopathol Soc (rep) 23:119-120
1967 464.9 AM31R
Chemicals, Dusting, Fusarium, Greenhouses, Peanuts, Research, Rhizoctonia, Soil structure, Tables (data), Thielaviopsis.

18762-68
PERFORMANCE OF SOME GRASSES AGAINST CEREAL ROSTS.
S T Ahmad S Singh
Indian Phytopathol 20(3):211-214 REF
Sep 1967 464.8 IN2
Fungus diseases (plants), Grasses, Plant disease resistance, Puccinia graminus tritici, Puccinia recondita, Rust (grain).

18763-68
STUDIES ON TAPHRINA MACULANS BUTLER, INCITING LEAF SPOT OF TURMERIC (CURCUMA LONGA L.). I. ISOLATION OF THE PATHOGEN.
L Ahmed N B Kulkarni
Mycopathol Mycol Appl 34(1):40-46 REF
19 Jan 1968 450 M994
Curcuma longa, Fungus diseases (plants), Leaf spot (Curcuma), Taphrina maculans.

18764-68
TOMATO BUSHY STUNT VIRUS FROM PRUNUS AVIUM L. I. FIELD STUDIES AND VIRUS CHARACTERIZATION.
W R Allen T R Davidson
Can J Bot 45(12):2375-2383 REF
Dec 1967 470 C16C
Bushy stunt (tomatoes), Datura, Mazzard cherries, Tomatoes, Virus diseases (plants). Apparently first isolation from Rosaceae; distinguishable from type strain
Abstract

18765-68
TOMATO BUSHY STUNT VIRUS AND PRUNUS AVIUM L. I. FIELD STUDIES AND VIRUS CHARACTERIZATION.
W R Allen T R Davidson
Horticultural Abs 38(3):681
Sep 1968 241 1M74
Bushy stunt (tomatoes), Mazzard cherries, Properties, Research, Tomatoes, Virus diseases (plants).

18766-68
PESTS AND DISEASES IN THE DECIDUOUS ORCHARDS OF ISRAEL. IN 1960-1964. SB608.F8A7.
Z Arenstein
30 P.
Mar 1965
Climate, Fruit, Insect pests, Plant diseases, Plant injuries, Spraying, Surveys.

18767-68
IN VITRO POLYMERIZATION OF WINTER WHEAT MOSAIC VIRUS ANTIGEN.
J G Atabekov G A Popova N A Kiselev A S Kaftanova
Virology 35(3):458-472 REF
Jul 1968 448.8 V81
Antigens, Centrifugation, Crystallography, Culture media, Density, Electron microscopy, Electrophoresis, Hydrogen-ion concentration, Leaves, Mosaic (wheat), Polymerization, Proteins, Sedimentation, Serological tests, Virus diseases (plants), Viscosity.

18768-68
INHERITANCE OF RESISTANCE TO VENTURIA INEAQUALIS IN CRABAPPLES.
H S Bagga D M Boone
Phytopathology 58(8):1183-1187 REF
Aug 1968 464.8 P56
Crabapples, Fungus diseases (plants), Inheritance, Plant disease resistance, Venturia inaequalis.

18769-68
GENES IN VENTURIA INAEQUALIS CONTROLLING PATHOGENICITY TO CRABAPPLES.
H S Bagga D M Boone
Phytopathology 58(8):1176-1182 REF
Aug 1968 464.8 P56
Crabapples, Fungus diseases (plants), Genes, Genetics, Venturia inaequalis.

18770-68
A SIMPLE TECHNIQUE FOR EVALUATING SYSTEMIC FUNGICIDES AND INSECTICIDES FOR CONTROL OF COTTON BOLL ROT.
H S Bagga
Plant Dis Rep 52(11):835-837
Nov 1968 1.9 P69P
Boll rot (cotton), Chemical control (plant diseases), Equipment, Fungicides, Insecticides, Laboratories, Research, Upland cotton.

18771-68
STUDY ON THE INSECTICIDAL RESISTANCE ON RICE STEM BORERS (CHILO SUPPRESSALIS WALKER). (KO)
D H Bai M K Baik S S Song
Korea Min Agr Forest Office Rural Develop Res Rep 10(3):123-127
Sep 1967 22.5 K843
Chemical control (insects), Chilo suppressalis, Epn, Hibernation, Insecticides, Laboratories, Research, Spraying. English summary.

18772-68
LEAF DIP SEROLOGY FOR ELECTRON MICROSCOPIC IDENTIFICATION OF PLANT VIRUSES.
E M Ball M K Brakke
Virology 36(1):152-155
Sep 1968 448.8 V81
Biochemistry, Dipping, Electron microscopy, Leaves, Methodology, Morphology, Serological tests, Virology, Virus diseases (plants).

18773-68
STEM AND ROOT DISEASES OF BEANS.
B Ballantyne
Agr Gaz New S Wales 79(8):463-468
Aug 1968 23 N472

18774-68

Beans, Chemical control (plant diseases), Fusarium solani, Plant diseases, Plant injuries, Root rot (beans), Sclerotinia sclerotiorum.

18774-68
A METHOD OF SCREENING FOR RESISTANCE TO EARLY BLIGHT ON TOMATO SEEDLINGS. (ABSTRACTS).
T H Barksdale
Phytopathology 58(7):883
Jul 1968 464.8 P56
Alternaria solani, Early blight (tomatoes), Fluorescent lamps, Greenhouses, Light, Phytopathology, Plant disease resistance, Sporulation, Temperature, Tomatoes.

18775-68
HERBACEOUS HOST RANGES IN TWO PRUNUS LINE-PATTERN VIRUSES.
W Basak
Horticulturul Abs 38(3):681
Sep 1968 241 IM74
Host indexing (plants), Prunus, Virus diseases (plants).

18776-68
THE INFLUENCE OF ORGANIC SOIL AMENDMENT ON COMMON SCAB OF POTATO.
K C Basu-Chaudhary
Indian Phytopathol 20(3):203-205, REF
Sep 1967 464.8 IN2
Cornmeal, Fungus diseases (plants), Scab (potatoes), Soil amendments, Soil microorganisms, Streptomyces scabies, Superphosphates. All amendments influenced scab development, which is correlated to the ratio between actinomycete and bacterial populations in the soil.

18777-68
INVESTIGATIONS ON STEM PITTING, SPY EPINASTY AND CHLOROTIC LEAF SPOT OF APPLES.
G Baumann
Horticultural Abs 38(3):680
Sep 1968 241 IM74
Apples, Chlorotic leafspot (apples), Research, Stem pitting (apples), Virus diseases (plants).

18778-68
DISSEMINATION OF WATERBORNE ERWINIA AMYLOVORA BY WIND IN NURSERY PLANTINGS.
R J Bauske
Horticultural Abs 38(3):683
Sep 1968 241 IM74
Bacterial diseases (plants), Erwinia amylovora, Water, Wind.

18779-68
FACTORS AFFECTING GROWTH AND SURVIVAL OF THE MYCOPARASITE DARLUCA FILUM. (ABSTRACT).
G A Bean G W Rambo
Phytopathology 58(7):883
Jul 1968 464.8 P56
Darluca filum, Growth factors, Mortality, Parasitism, Plant temperature, Seed germination, Sporulation, Uromyces phaseoli typica, Water.

18780-68
RESULTS WITH BOTRYTIS CONTROL IN VITICULTURE.
K J Beetz
Horticultural Abs 38(3):688
Sep 1968 241 IM74
Botrytis, Culture media, Fungicides, Fungus diseases (plants), Pest control.

18781-68
INTENSIVE FIELD COMPARISON OF FUNGICIDES FOR APPLE MILDEW CONTROL.
M Bennett M H Moore
Horticultural Abs 38(3):685
Sep 1968 241 IM74
Apples, Fungicides, Fungus diseases (plants), Powdery mildew (apples).

18782-68
SOYBEANS AND PEANUTS. SEED AND SEEDLING DISEASES, SEVERAL FUNGI.
C W Blackmon
Amer Phytopathol Soc (rep) 23:123-124
1967 464.9 AM31R
Fungi, Nodules (plants), Peanuts, Research, Seed treatment, Soybeans, Tables (data).

18783-68
PENICILLIUM AND BOTRYTIS ROT OF MCINTOSH APPLES IN WATER.
G D Blanpied A Purnasiri
Plant Dis Rep 52(11):865-867
Nov 1968 1.9 P69P
Apples, Botrytis, Lahoratories, Packing, Penicillium expansum, Storage, Surveys, Water.

18784-68
DRY SUMMERS - BLESSING TO VINE GROWERS.
E W Boehm
Horticultural Abs 38(3):688
Sep 1968 241 IM74
Climate, Climbing plants, Fungus diseases (plants), Water.

18785-68
BACTERIAL CANKER OF CHERRIES.
A Bolay
Horticultural Abs 38(3):684
Sep 1968 241 IM74
Bacterial diseases (plants), Canker (fruit), Cherries.

18786-68
THE FUNGAL FLORA OF FRUIT TREE BUDS.
P Bondoux
Horticultural Abs 38(3):684
Sep 1968 241 IM74
Fruit, Fungus diseases (plants).

18787-68
FUNGUS DISEASES ATTACKING PEARS AND APPLES DURING STORAGE. I. GENERAL ASPECTS.
P Bondouy
Horticultural Abs 38(3):684
Sep 1968 241 IM74
Apples, Fungus diseases (plants), Pears, Storage.

18788-68
EVIDENCE FOR SYSTEMIC PROTECTION AGAINST RHIZOCTONIA SOLANI WITH VITAVAX IN COTTON SEEDLINGS.
D E Borum J B Sinclair
Phytopathology 58(7):976-980
Jul 1968 464.8 P56
Cotton, Dihydro-5-carboxanilido-6-methyl-1,4-oxathiin,2,3-, Fungus diseases (plants), Panogen, Rhizoctonia solani, Seed treatment, Seedlings.

18789-68
PURIFICATION AND ANTIGENICITY OF WHEAT STREAK MOSAIC VIRUS.
M K Brakke E M Ball
Phytopathology 58(7):963-971 REF
Jul 1968 464.8 P56
Agar, Antigens, Centrifugation, Hydrogen-ion concentration, Mosaic (wheat), Streak (wheat), Virus diseases (plants), Wheat.

18790-68
GRAPE, CONCORD. POWDERY MILDEW, UNCINULA NECATOR.
A J Braun J A Keplinger
Amer Phytopathol Soc (rep) 23:57
1967 464.9 AM31R
Chemical control (plant diseases), Chemicals, Fungicides, Grapes, Leaves, Plant diseases, Spraying, Toxicology, Uncinula necator.

18791-68
GRAPE, POWDERY MILDEW, UNCINULA NECATOR.
A J Braun J A Keplinger
Amer Phytopathol Soc (rep) 23:57-58
1967 464.9 AM31R
Grapes, Plant injuries, Research, Spraying, Toxicology, Uncinula necator.

18792-68
THE LEEUWENHOEK LECTURE,1966, OBLIGATE PARASITISM IN FUNGI.
P W Brian
168(1011):101-118 REF
15 Aug 1967
Fungi, Parasitism.

18793-68
CYTOPLASMIC CAROTENES OF RACE 15B AND RACE 56 OF PUCCINIA GRAMINIS F. SP. TRITICI.
L Bush
Phytopathology 57(7):785-788
Jul 1967 464.8 P56
Carotenes, Cytoplasm, Plant biochemistry, Puccinia graminis tritici.

Abstract

18794-68
APPLE: SCAB AND POWDERY MILDEW, VENTURIA INAEQUALIS AND PODOSPHAERA LEUCOTRICHA.
R J W Byrde C W Harper
Amer Phytopathol Soc (rep) 23:31
1967 464.9 AM31R
Chemical control (plant diseases), Podosphaera leucotricha, Spraying, Trees, Venturia inaequalis.

18795-68
POTATO. LATE BLIGHT, PHYTOPHTHORA INFESTANS.
L C Callbeck
Amer Phytopathol Soc (rep) 23:77
1967 464.9 AM31R
Chemical control (plant diseases), Fungicides, Phytophthora infestans, Potatoes, Research, Spraying, Tables (data), Toxicology.

18796-68
POTATO. LATE BLIGHT, PHYTOPHTHORA INFESTANS.
R C Cetas
Amer Phytopathol Soc (rep) 23:78-79
1967 464.9 AM31R
Chemical control (plant diseases), Crop yields, Fungicides, Harvesting date, Phytophthora infestans, Potatoes, Research, Spraying, Tables (data).

18797-68
SOYBEAN. SEEDLING DISEASES; SEED AND SOIL BORNE ORGANISMS.
A Y Chambers
Amer Phytopathol Soc (rep) 23:124
1967 464.9 AM31R
Chemical control (plant diseases), Crop yields, Fungicides, Harvesting date, Histology, Plant injuries, Research, Soybeans, Tables (data), Toxicology.

18798-68
PEACH, BROWN ROT AND RHIZOPUS ROT, MONILINIA FRUCTICOLA RHIZOPUS SP.
W A Chandler
Amer Phytopathol Soc (rep) 23:53
1967 464.9 AM31R
Captan, Chemical control (plant diseases), Chemicals, Fungicides, Harvesting, Monilinia fructicola, Peaches, Rhizopus, Sampling (statistics), Sulfur.

18799-68
RESISTANCE TO PSEUDOMONAS CORONAFACIENS IN OATS. (ABSTRACT).
C P Cheng C W Roane
Phytopathology 57(7):644
Jul 1967 464.8 P56
Bacterial diseases (plants), Halo blight (oats), Oats, Plant disease resistance, Pseudomonas coronafaciens.

18800-68
FACTORS AFFECTING THE COPPER CONTENT OF OATS GROWN IN PEAT.

M V Cheshire P C De Kock R H E Inkson
J Sci Food Agr 18(4):156-160 REF
Apr 1967 382 SO12
Copper, Oats, Peat, Plant nutritional deficiencies.

18801-68
PEACH. BROWN ROT AND RHIZOPUS ROT; MONILINIA FRUCTICOLA AND RHIZOPUS SP.
C N Clayton
Amer Phytapathol Soc (rep) 23:53-54
1967 464.9 AM31R
Chemical control (plant diseases), Chemicals, Fungicides, Harvesting, Monilinia fructicola, Peaches, Research, Rhizopus.

18802-68
SOME ASPECTS OF CANKER DEVELOPMENT ON APPLE WOOD BY BOTRYOSPHAERIA RIBIS. (ABSTRACT).
S R Connor
Phytapathology 57(7):645
Jul 1967 464.8 P56
Apples, Botryosphaeria ribis, Canker (apples), Fungus diseases (plants), Tree diseases.

18803-68
PREVENTION OF PERITHECIAL DEVELOPMENT BY VENTURIA INAEQUALIS BY LATE-SEASON APPLICATIONS OF FUNGICIDES. (ABSTRACTS).
S R Connor J W Heuberger
Phytopathology 58(7):883
Jul 1968 464.8 P56
Dodine, Fungicides, Glyodin, Leaves, Perithecia, Phenylmercuric chloride, Seasons, Spraying, Venturia inaequalis.

18804-68
PRIMARY CANCEROUS TUMOURS IN SEVERAL VINE VARIETIES.
G Constantinescu
Horticultural Abs 38(3):684
Sep 1968 241 IM74
Bacterial diseases (plants), Climbing plants, Crown galls (plants).

18805-68
INFLUENCE OF OATS ON SOIL-BORNE POPULATIONS OF FUSARIUM ROSEUM F. SP. CEREALIS 'CULMORUM'.
J R Cook
Phytopathalogy 58(7):957-960
Jul 1968 464.8 P56
Cats, Fungus diseases (plants), Fusarium roseum, Parasitic plants, Soil-borne plant diseases, Sporulation, Wheat.

18806-68
APPLE. POWDERY MILDEW, PODOSPHAERA LEUCOTRICIA.
R P Covey Jr
Amer Phytopathol Soc (rep) 23:34
1967 464.9 AM31R
Apples, Chemicals, Crop yields, Harvesting, Podosphaera leucotricia, Spraying, Trees.

18807-68
NOTCHED LEAF IN GLADIOLUS SPP., CAUSED BY VIRUSES OF THE TOBACCO RATTLE VIRUS GROUP.
M C Cremer P K Schenk
Neth J Plant Pathol 73(2):33-48 REF
1967 464.8 T44
Gladiolus, Virus diseases (plants). English and Dutch summaries.
Abstract

18808-68
INCREASE OF DIAPORTHE PHASEOLORUM VAR. SOJAE ON SOYBEAN PODS DUE TO CORN EARWORM. (ABSTRACTS).
H W Crittenden
Phytopathalogy 58(7):883
Jul 1968 464.8 P56
Diaporthe phaseolorum, Fungus diseases (plants), Heliothis zea, Phytopathology, Seeds, Soybeans.

18809-68
TESTING CHERRY ROOTSTOCKS FOR RESISTANCE TO INFECTION BY RASPBERRY RINGSPOT AND CHERRY LEAF ROLL VIRUSES.
R Cropley
Horticultural Abs 38(3):681
Sep 1968 241 IM74
Cherries, Leaf roll (cherries), Plant disease resistance, Research, Ring spot (raspberries), Roots, Virus diseases (plants).

18810-68
EFFECTS OF CROP ROTATION SEQUENCES ON RHIZOCTONIA HYPOCOTYL ROT OF SNAPBEAN. (ABSTRACT).
D F Crossan W J Manning
Phytopathology 58(7):883
Jul 1968 464.8 P56
Agricultural research, Beans, Crop rotation, Rhizoctonia solani, Root rot (beans). Plants used for plant sequences were corn, barley, oats, beans, rye, peppers, peas, wheat, cabbage, tomatoes.

18811-68
EFFECT OF NITROGEN AND CHLORIDE NUTRITION ON SUSCEPTIBILITY AND EFFECT OF FUNGICIDE APPLICATIONS ON CONTROL OF FUSICOCCUM CANKER OF PEACH.
R H Daines
Horticultural Abs 38(3):686-687
Sep 1968 241 IM74
Canker (peaches), Fungicides, Fungus diseases (plants), Fusicoccum, Nitrogen, Peaches, Pesticide application, Plant disease resistance.

18812-68
FUSIFORM RUST IN SOUTHERN PINE.
T C Davis J Goggans
Highlights 15(3):10 FALL
1968 100 AL1H
Cronartium fusiforme, Fungus diseases (plants), Fusiform rust (pinus), Greenhouse culture, Injections, Seedlings, Tree injuries.

18813-68
SOIL FUMIGANTS TESTED FOR CONTROL OF CROWN GALL.
I W Deep R A McNeilan I C MacSwan
Horticultural Abs 38(3):684
Sep 1968 241 IM74
Bacterial diseases (plants), Crown galls (plants), Pest control, Soil fumigation.

18814-68
RICE. BLAST, PIRICULARIA ORZAE.
C J Delp R L Krause A W Engelhard
Amer Phytopathol Soc (rep) 23:100
1967 464.9 AM31R
Culture media, Injections, Piricularia oryzae, Research, Rice, Seedlings, Spraying.

18815-68
APPLE. APPLE SCAB AND POWDERY MILDEW; VENTURIA INAEQUALIS PODOSPHAERA LEUCOTRICIA.
C J Delp
Amer Phytapathal Soc (rep) 23:37
1967 464.9 AM31R
Apples, Azinphosmethyl, Fungicides, Podosphaera leucotricia, Research, Spraying, Trees, Venturia inaequalis.

18816-68
SOUR CHERRY. CHERRY LEAF SPOT, COCCOMYCES HIEMALIS.
C J Delp A W Engelhard
Amer Phytapathol Soc (rep) 23:51
1967 464.9 AM31R
Chemical control (plant diseases), Cherries, Coccomyces hiemalis, Insecticides, Spraying, Tree diseases.

18817-68
APPLE. APPLE SCAB, VENTURIA INAEQUALIS.
C J Delp
Amer Phytopathol Soc (rep) 23:35
1967 464.9 AM31R
Apples, Chemicals, Fungicides, Hibernation, Leaves, Spraying, Venturia inaequalis.

18818-68
LOCAL LESION REACTIONS OF CHENOPODIUM SPECIES TO WATEMELON MOSAIC VIRUS 2.
J W Demski
Phytapathalogy 58(8):1196-1197
Aug 1968 464.8 P56
Chenopodium, Mosaic (watermelons), Virus diseases (plants), Watermelons.

18819-68
STUDIES ON SPREAD, POSSIBLE HERBACEOUS PLANT RESERVOIRS, AND SEROLOGICAL RELATIONSHIPS OF SOME VIRUS ISOLATES FROM SOUR CHERRY (PRUNUS CERASUS L.).
J W Demski
Horticultural Abs 38(3):681
Sep 1968 241 IM74
Research, Serological tests, Sour cherries, Virus diseases (plants).

18820-68
DIFFERENTIATION IN PHYTOPHTHORA INFESTANS. I. A COMPARATIVE STUDY OF EIGHT DIFFERENT BIOTYPES.
T Denward
Hereditas 58(1-2):191-220 REF
1967 442.8 H42
Genes, Phytophthora infestans, Plant disease resistance, Plant genetics, Plant physiology, Potatoes.

18821-68
A BIOCIDE PRODUCED BY PATHOGENIC ISOLATES OF PSEUDOMONAS SYRINGAE AND ITS POSSIBLE ROLE IN THE BACTERIAL CANKER DISEASE OF PEACH TREES.
J E DeVay
Horticultural Abs 38(3):684
Sep 1968 241 IM74
Bacterial diseases (plants), Canker (fruit), Peaches, Pseudomonas syringae.

18822-68
APPLE. APPLE SCAB, VENTURIA INAEQUALIS.
C R Drake J J Albert
Amer Phytopathol Soc (rep) 23:39
1967 464.9 AM31R
Apples, Environment, Fungicides, Leaves, Research, Spraying, Venturia inaequalis.

18823-68
SOYBEAN. SEED DECAYS AND SEEDLING DISEASES; SEED AND SOIL BORNE FUNGI.
P D Dukes W H Marchant T J Ratcliffe
Amer Phytopathol Soc (rep) 23:124-126
1967 464.9 AM31R
Aspergillus flavus, Aspergillus niger, Chemicals, Fungi, Fungicides, Laboratories, Research, Seed treatment, Seedlings, Soils, Soybeans, Tables (data).

18824-68
A CONTRIBUTION TO THE STUDY OF RINGSPOT TYPE VIRUSES OF STONEFRUIT TREES.
J Dunez
Horticultural Abs 38(3):681
Sep 1968 241 IM74
Fruit, Research, Ring spot (fruit), Trees, Virus diseases (plants).

18825-68
BIOCHEMICAL FACTORS AFFECTING SPORULATION OF THE BROWN ROT FUNGUS, MONILINIA FRUCTICOLA (WINT.) HONEY.
M M S A El-Zayat
Horticultural Abs 38(3):686
Sep 1968 241 IM74
Biochemistry, Brown rot (fruit), Fungus diseases (plants), Monilinia fructicola, Peaches, Pears.

18826-68
TESTING OF FUNGICIDES FOR THE CONTROL OF DOWNY MILDEW AND SCREENING OF CORN VARIETIES, HYBRIDS, AND INBRED LINES FOR DOWNY MILDEW RESISTANCE. FINAL TECHNICAL REPORT, SB608.0M20E9.
O R Exconde S A Raymundo F D Fuentes R M Payson A C Mercado
72P.
1966
Breeding, Chemical control (plant diseases), Corn, Downy mildew (corn), Fungicides, Plant disease resistance, Plant genetics, Reports, Research.

18827-68
BIOLOGIC SPECIALIZATION IN CALONECTRIA (FUSARIUM) RIGIDIUSCULA IN RELATION TO GREEN POINT GALL OF COCOA.
E J Ford J A Bourret W C Snyder
Phytopathology 57(7):710-712 REF
Jul 1967 464.8 P56
Cacao, Caloncctria rigidiuscula, Fungus diseases (plants), Green point gall (cacao), Plant galls.

Abstract

18828-68
EFFECTS OF HIGH TEMPERATURE ON GRAFT TRANSMISSION OF THE PRUNUS RINGSPOT VIRUS.
P R Fridlund
Phytopathology 58(8):1192-1193
Aug 1968 464.8 P56
Plant grafting, Prunus, Ring spot (prunus), Temperature, Virus diseases (plants).

18829-68
VIRUS GUMMOSIS OF APRICOT CAUSED BY SOME PRUNE DWARF VIRUS STRAINS.
P R Fridlund F O Bottorff
Horticultural Abs 38(3):681
Sep 1968 241 IM74
Apricots, Dwarf fruit, Gummosis (apricots), Prunes, Virus diseases (plants).

18830-68
THE RELATIONSHIP OF INOCULUM-RECEPTOR CONTACT PERIOD TO THE RATE OF GRAFT TRANSMISSION OF TWELVE PRUNUS VIRUSES.
P R Fridlund
Horticultural Abs 38(3):681
Sep 1968 241 IM74
Injections, Prunus, Virus diseases (plants).

18831-68
SUGAR BEET. LEAF SPOT; CERCOSPORA BETICOLA.
J D Froyd G Johnson G F Stallknecht
Amer Phytopathol Soc (rep) 23:103
1967 464.9 AM31R
Cercospora beticola, Chemical control (plant diseases), Fungicides, Injections, Research, Sugar beets, Tables (data), Weather.

18832-68
BACTERIA ASSOCIATED WITH FROST-DAMAGED APPLE BLOSSOMS.
C M E Garrett
Horticultural Abs 38(3):683
Sep 1968 241 IM74
Apples, Bacteria, Frost, Plant injuries.

18833-68
EFFECTS OF DIFFERENT ROOTSTOCKS, AND DEGREE OF PSYLLA INFESTATION ON LEAF CURL IN YOUNG PEAR TREES.
W H Griggs
Horticultural Abs 38(3):681
Sep 1968 241 IM74
Pears, Psylla, Roots, Virus diseases (plants).

18834-68
BACTERIAL CANKER OF STONE FRUIT TREES.
L N Grigorcevic
Horticultural Abs 38(3):683-684
Sep 1968 241 IM74
Bacterial diseases (plants), Canker (fruit), Erwinia amylovora, Fruit, Trees.

18835-68
DETECTING THE INFECTION OF PEACH TREE BRANCHES BY FUNGI OF THE GENUS CYTOSPORA.
C Grosclaude
Horticultural Abs 38(3):686
Sep 1968 241 IM74
Cytospora, Diagnosis, Fungus diseases (plants), Peaches.

18836-68
THE AUTOCIDAL METHOD, ONE ASPECT OF BIOLOGICAL PLANT PROTECTION. (GE)
V A Haisch
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(5):257-272 REF
May 1968 464.8 Z3
Biological control (insects), Chemosterilants, Cochliomyia, Genetics, Insects, Radiation. English summary

18837-68
EFFECT OF ALUMINUM STRIPS ON THE SPREAD OF TWO APHID-BORNE CHRYSANTHEMUM VIRUSES.
F A Hakkaart
Neth J Plant Pathol 73(5/6):181-185
1967 464.8 T44
Aluminum foil, Aphididae, Chrysanthemum, Plant disease transmission, Virus b (chrysanthemum), Virus diseases (plants). English and Dutch summaries

Abstract

18838-68
SEED TRANSMISSION OF VIRUSES IN RED CLOVER: EVIDENCE AND METHODOLOGY OF DETECTION.
R O Hampton E W Hanson
Phytopathology 58(7):914-920 REF
Jul 1968 464.8 P56
Broadbeans, Diagnosis, Methodology, Red clover, Seedlings, Virus diseases (plants).

18839-68
SYSTEMIC-CHEMICAL PAINTS FOR THE CONTROL OF CYTOSPORA CANKER DISEASE IN PRUNE TREES.
A W Helton W J Kochan
Horticultural Abs 38(3):686
Sep 1968 241 IM74
Canker (plums), Chemicals, Cytospora, Fungus diseases (plants), Pest control, Prunes.

18840-68
RHIZOPUS ROT OF PEACHES.
A J Heyns L Ginsburg
Horticultural Abs 38(3):687
Sep 1968 241 IM74
Fungus diseases (plants), Peaches, Rhizopus, Rot (peaches).

18841-68
BROWN ROT OF PEACHES.
A J Heyns
Horticultural Abs 38(3):686
Sep 1968 241 IM74
Brown rot (peaches), Fungus diseases (plants), Peaches.

18842-68
APPLE. POWDERY MILDEW, SCAB; PODOSPHAERA LEUCOTRICHA, AND VENTURIA INAEQUALIS.
K D Hickey
Amer Phytopathol Soc (rep) 23:41
1967 464.9 AM31R
Apples, Chemicals, Environment, Fungicides, Hibernation, Podosphaera leucotricha, Spraying, Venturia inaequalis.

18843-68
METHODS OF MEASURING THE PREVALENCE OF PATHOGENIC FUNGI ON POTATO TUBERS.
G A Hide J M Hirst G A Salt
Ann Appl Biol 62(2):309-318
Oct 1968 442.8 AN72
Fungus diseases (plants), Measurement, Potatoes.

18844-68
PHENOLASE ACTIVITY IN TOMATO FRUIT IN RELATION TO GROWTH AND TO VARIOUS RIPENING DISORDERS.
G E Hobson
J Sci Food Agr 18(11):523-526 REF
Nov 1967 382 SO12
Blossom end rot (tomatoes), Phenolases, Plant extracts, Plant physiology, Tomatoes.

18845-68
LOSSES FROM FUSARIUM STEM ROT CAUSED BY FUSARIUM ROSEUM, IN COMMERCIAL PRODUCTION OF CUTTINGS OF CARNATION, DIANTHUS CARYOPHYLLUS.
R K Horst P E Nelson
Plant Dis Rep 52(11):840-843
Nov 1968 1.9 P69P
Chemical control (plant diseases), Dianthus caryophyllus, Fungus diseases (plants), Fusarium roseum, Plant cuttings, Plant injuries, Research.

18846-68
EFFECT OF TEMPERATURE, CROP, AND DEPTH OF BURIAL ON THE SURVIVAL OF TYPHULA IDAHOENSIS SCLEROTIA.
D M Huber H C McKay
Phytopathology 58(7):961-962
Jul 1968 464.8 P56
Alfalfa, Barley, Clover, Greenhouses, Mortality, Peas, Planting, Soil temperature, Typhula idahoensis, Wheat.

18847-68
FORMATION OF CALLUS TISSUE IN SWEETPOTATOE STEMS IN RESPONSE TO INFECTION BY AN INCOMPATIBLE STRAIN OF CERATOCYSTIS FIMBRIATA.
H Hyodo I Uritani S Akai
Phytopathology 58(7):1032-1033
Jul 1968 464.8 P56
Black rot (sweetpotatoes), Callus (plants), Ceratocystis fimbriata, Fungus diseases (plants), Infectious diseases, Injections, Plant metabolism, Sweetpotatoes.

18848-68
BLACK SPOT OF APPLE.
P T Jenkins
Horticultural Abs 38(3):686
Sep 1968 241 IM74
Apples, Black spot (apples), Fungus diseases (plants).

18849-68
ORCHARD SANITATION AND BROWN ROT CONTROL.
P F Kahle
Horticultural Abs 38(3):686
Sep 1968 241 IM74
Brown rot (fruit), Fruit, Fungus diseases (plants), Sanitation control (pests).

18850-68
CANTALOUPE. LEAF BLIGHT, ALTERNARIA CUCUMERINA.
J G Kantzes
Amer Phytopathol Soc (rep) 23:69
1967 464.9 AM31R
Alternaria cucumerina, Cantaloupes, Crop losses, Defoliation, Fungicides, Maneb, Research, Spraying.

18851-68
TOBACCO (CIGAR-WRAPPER). BLACK SHANK; PHYTOPHTHORA PARASITICA VAR. NICOTIANAE.
R R Kincaid
Amer Phytopathol Soc (rep) 23:104-105
1967 464.9 AM31R
Chemical control (plant diseases), Chemicals, Phytophthora parasitica, Research, Soil structure, Tables (data), Tobacco, Transplanting, Water.

18852-68
HOST-PARASITE RELATIONSHIP IN SAFFLOWER RESISTANT AND SUSCEPTIBLE TO PHYTOPHTHORA ROOT ROT.
J M Klisiewics L B Johnson
Phytopathology 58(7):1022-1025
Jul 1968 464.8 P56
Fungus diseases (plants), Hypocotyls, Necrosis, Parasitism, Phytophthora drechsleri, Plant disease resistance, Safflower, Seed germination.

18853-68
SOUR CHERRIES, LEAF SPOT AND POWDERY MILDEW, COCCOMYCES HIEMALIS, PODOSPHAERA OXYACANTHAE.
E J Klos J Robb R Miller
Amer Phytopathol Soc (rep) 23:52
1967 464.9 AM31R
Chemical control (plant diseases), Cherries, Coccomyces hiemalis, Difolatan, Dodine, Podosphaera oxyacanthae, Tree diseases.

18854-68
GRAPE. BLACK ROT AND POWDERY MILDEW; GUIGNARDIA BIDWELLII, AND UNCINULA NECATOR.
E J Klos J Robb R Miller
Amer Phytopathol Soc (rep) 23:58
1967 464.9 AM31R
Difolatan, Folpet, Fungicides, Grapes, Guignardia bidwellii, Plant diseases, Research, Uncinula necator.

18855-68
SOME PHYSIOLOGICAL PROPERTIES OF PSEUDOMONAS SYRINGAE VAN HALL TESTED ON VARIOUS ISOLATIONS. (GE)
D Knosel E Lange
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(8):468-472 REF
Aug 1968 464.8 Z3
Enzymes, Fruit, Physiology, Plant diseases, Pseudomonas syringae, Research. English summary.

18856-68
CHANGES IN THE HETEROLOGOUS REACTIONS OF ANTISERA AGAINST MEMBERS OF THE POTATO VIRUS X GROUP DURING THE IMMUNE RESPONSE. (GE)
R Koenig R Bercks
Phytopathol Z 61(4):382-398 REF
Apr 1968 464.8 P562
Blood tests, Immunity, Immunization, Mosaic (white clover), Rabbits, Serological tests, Virus diseases (animals), Virus x (cactaceae), Virus x (potatoes), Yellow mosaic (clover). Lish summary

18857-68
THE SIGNIFICANCE OF SPINACH AS A HOST PLANT OF THE RAPE-NEMATODE HETERODERA SCHACHTII SCHM. (GE)
V H Kohler
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(5):288-290
May 1968 464.8 Z3
Heterodera schachtii, Insects, Larvae, Roots, Spinach. English summary

18858-68
AGENT FOR THE COMBATMENT OF MOULDS. PATENT 3,376,190.
H Koopman A Tempel
Us Patent Office Offic Gaz 849(1):177
02 Apr 1968 156.65 OF2
Fungicides, Patents, Tetrabromo compounds.

18859-68
OBSERVATIONS ON THE FORMATION AND DISPERSAL OF CONIDIA OF MYCOSPHAERELLA MUSICOLA LEACH. (GE)
V J Kranz
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(6):327-338 REF
Jun 1968 464.8 Z3
Fungus diseases (plants), Humidity, Mycosphaerella musicola, Seed dissemination, Temperature. English summary

18860-68
THE EFFECT OF DITHIOCARBAMATE-CONTAINING FUNGICIDES (ZINEB AND MANEB) ON THE MITOCHONDRIAL ACTIVITY IN PLUM LEAVES.
K Kristeu M Kristeva
Horticultural Abs 38(3):695
Sep 1968 241 IM74
Dithiocarbamates, Fungicides, Fungus diseases (plants), Plums.

18861-68
INFLUENCE OF DEVELOPMENTAL STAGE OF RICE PLANT ON SUSCEPTIBILITY TO HOJA BLANCA VIRUS.
H A Lamey T R Everett C D Brister
Phytopathology 58(8):1168-1170
Aug 1968 464.8 P56
Hoja blanca (rice), Morphology, Plant disease resistance, Rice, Virus diseases (plants).

18862-68
SOME PROPERTIES OF CHRYSANTHEMUM STUNT VIRUS. (ABSTRACT).
R H Lawson
Phytopathology 58(7):885
Jul 1968 464.8 P56
Chrysanthemum, Infectious diseases, Leaves, Pyrethrum, Research, Sap, Starches, Stunt (chrysanthemum), Viruses.

18863-68
SOME VIEWPOINTS ON THE PHYLOGENY OF RUST FUNGI. IV. BIOGENIC RADIATION.
E E Leppik
Mycologia 59(4):568-579 MAP REF
Jul 1967 450 M99
Biogenesis, Irradiation, Parasitic plants, Uredinales.

18864-68
APPLE. SCAB, MILDEW, MITES; VENTURIA INAEQUALIS, PODOSPHAERA LEUCOTRICHA, PANONYCHUS ULMI, AND TETRANYCHUS TELARIUS.
F H Lewis
Amer Phytopathol Soc (rep) 23:44
1967 464.9 AM31R
Apples, Chemical control (plant diseases), Defoliation, Fungicides, Insecticides, Panonychus ulmi, Podosphaera leucotricha, Research, Tetranychus telarius, Trees, Venturia inaequalis.

18865-68
BEAN (SNAP). ROOT ROT, RHIZOCTONIA SOLANI.
G D Lewis
Amer Phytopathol Soc (rep) 23:66
1967 464.9 AM31R
Beans, Fungicides, Research, Rhizoctonia solani, Seed treatment.

18866-68
ASPARAGUS. ROOT ROT, FUSARIUM OXYSPORUM F. ASPARAGI.
G D Lewis R Salch
Amer Phytopathol Soc (rep) 23:63
1967 464.9 AM31R
Asparagus, Fungicides, Fusarium oxysporum, Plant diseases, Research, Spraying.

18867-68
EFFECT OF ARTIFICIALLY OR NATURALLY INTRODUCED UREDOSPORES ON STEM RUST DEVELOPMENT IN PREVIOUSLY INFECTED FIELDS OF WHEAT. (ABSTRACT).
R F Line C E Peet
Phytopathology 58(7):885
Jul 1968 464.8 P56
Fungus diseases (plants), Infectious diseases, Injections, Puccinia graminis tritici, Stem rust (wheat), Uredospores, Wheat.

18868-68
STRAWBERRY. VERTICILLIUM WILT, VERTICILLIUM DAHLIAE.
C L Lockhart A A MacNah
Amer Phytopathol Soc (rep) 23:60
1967 464.9 AM31R
Crop yields, Plant diseases, Research, Strawberries, Verticillium dahliae.

18869-68
XYLEM ABERRATION, A TRANSMISSIBLE DISEASE OF STONE FRUITS.
T B Lott
Can Plant Dis Surv 47(3):74-75 REF
Sep 1967 464.9 C16S
Fruit, Plant ahnormalities, Plant disease transmission, Prunus virginiana, Virus diseases (plants), Xylem.

18870-68
XYLEM ABERRATION, A TRANSMISSIBLE DISEASE OF STONE FRUITS.
T B Lott
Horticultural Abs 38(3):681
Sep 1968 241 IM74
Fruit, Infectious diseases, Virus diseases (plants), Xylem.

18871-68
TOBACCO MOSAIC VIRUS-INDUCED RESISTANCE TO PSEUDOMONAS TABACI IN TOBACCO.
L Lovrekovich H Lovrekovich M A Stahmann
Phytopathology 58(7):1034-1035 REF
Jul 1968 464.8 P56
Bacterial diseases (plants), Buffer substances, Mosaic (tobacco), Plant disease resistance, Pseudomonas tahaci, Research, Tobacco, Virus diseases (plants).

18872-68
PEACH. RHIZOPUS ROT, RHIZOPUS STOLONIFER.
N S Luepschen
Amer Phytopathol Soc (rep) 23:55
1967 464.9 AM31R
Fungicides, Harvesting, Peaches, Research, Rhizopus stolonifer.

18873-68
CELLULOSE DEGRADATION BY CELLULASE OF SCLEROTINIA SCLEROTIORUM PRODUCED IN CULTURE. (ABSTRACT).
R D Lumsden
Phytopathology 58(7):885-886
Jul 1968 464.8 P56
Beans, Carboxymethyl cellulose, Cellulase, Culture media, Enzymes, Fungus diseases (plants), Glucose, Hydrogen-ion concentration, Sclerotinia sclerotiorum.

18874-68
NOTES ON SCOTTISH FUNGI.
Q D MacGarvie
Plant Pathol 17(3):113
Sep 1968 464.8 P692
Chrysanthemum, Festuca, Fungi, Grain, Grasses, Taxonomy.

18875-68
PERSISTENCE OF THE ACARICIDE BINAPACRYL. (GE)
V H Maier-bode
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(6):321-327 REF
Jun 1968 464.8 Z3
Apples, Binapacryl, Metabolites, Plant injuries, Rats. English summary

18876-68
A NEW CONTRIBUTION TO THE USE OF WETTABLE SULPHUR AGAINST POWDERY MILDEW OF VINE: EXPERIMENTAL RESULTS.
P Malbrunot
Horticultural Abs 38(3):689
Sep 1968 241 IM74
Fungicides, Fungus diseases (plants), Grapes, Powdery mildew (grapes).

18877-68
IMMUNOFLUORESCENT STAINING AS A MEANS OF IDENTIFYING MYCELIUM OF

18878-68

RHIZOCTONIA SOLANI ON SLIDES USED IN SOIL ECOLOGICAL STUDIES. (ABSTRACT).
W J Manning D F Crossan
Phytopathology 58(7):886
Jul 1968 464.8 P56
Beans, Ecology, Fluorescence, Fungus diseases (plants), Immunity, Mycelium, Oats, Rhizoctonia solani, Soils.

18878-68

BEAN (SNAP, TENDERCROP). HYPOCOTYL ROT; RHIZOCTONIA SOLANI.
W J Manning D F Crossan D J Morton
Amer Phytopathol Soc (rep) 23:66
h555555464 9 AM31R
Beans, Chemicals, Fungicides, Research, Rhizoctonia solani, Seed treatment.

18879-68

POTATO. SCAB, STREPTOMYCES SCABIES.
F E Manzer D Merriam
Amer Phytopathol Soc (rep) 23:81-82
1967 464.9 AM31R
Chemical control (plant diseases), Crop yields, Fertilization (plants), Potatoes, Research, Seeds, Soil structure, Streptomyces scabies, Tables (data).

18880-68

POTATO. LATE BLIGHT, PHYTOPHTHORA INFESTANS.
F E Manzer D Merriam
Amer Phytopathol Soc (rep) 23:80-81
1967 464.9 AM31R
Chemical control (plant diseases), Chemicals, Crop yields, Defoliation, Fungicides, Phytophthora infestans, Potatoes, Tables (data).

18881-68

LETTUCE. SCLEROTINIA ROT, SCLEROTINIA SCLEROTIORUM.
R K McKittrick
Amer Phytopathol Soc (rep) 23:75
1967 464.9 AM31R
Chemical control (plant diseases), Fertilizers, Injections, Lettuce, Plant diseases, Sclerotinia sclerotiorum, Soil fumigation, Tables (data).

18882-68

DETECTION OF FREE VIRAL NUCLEIC ACID IN THE POTATO VIRUS X INFECTED TOBACCO, BY GEL ELECTROPHORESIS.
K A Miczynski
Phytopathol Z 61(4):309-330 REF
Apr 1968 464.8 P562
Bentonite, Electrophoresis, Leaves, Plant extracts, Proteins, Ribonucleic acid, Tobacco, Virus diseases (plants), Virus x (potatoes). Summary in German

18883-68

RELATIVE SUSCEPTIBILITY OF BLUEBERRY CULTIVARS TO PHYTOPHTHORA CINNAMONI.
R D Milholland G J Galletta
Horticultural Abs 38(3):687
Sep 1968 241 IM74
Blueberries, Fungus diseases (plants), Phytophthora cinnamoni, Plant disease resistance.

18884-68

ON THE PARASITISM BY FUNGI OF THE GENUS CYTOSPORA ON APPLES.
I I Minkevic
Horticultural Abs 38(3):685
Sep 1968 241 IM74
Apples, Cytospora, Fungus diseases (plants), Parasitism.

18885-68

OCCURRENCE AND PATHOGENICITY OF PYTHIUM IN PEACH ORCHARD SOILS. (ABSTRACT).
S M Mircetich H W Fogle
Phytopathology 58(7):886
Jul 1968 464.8 P56
Fungus diseases (plants), Orchards, Peaches, Phytopathology, Pythium, Soil fungi.

18886-68

WHEAT. STEM RUSTS, PUCCINIA SPP.
H A Mohamed M A Arafa
Amer Phytopathol Soc (rep) 23:106
1967 464.9 AM31R
Chemicals, Fungicides, Fungus diseases (plants), Injections, Puccinia, Research, Tables (data), Wheat.

18887-68

A FIELD COMPARISON OF FUNGICIDES AS MEDIUM VOLUME SPRAYS ON APPLES.
M H Moore M Bennett
Horticultural Abs 38(3):694-695
Sep 1968 241 IM74
Apples, Fungicides, Fungus diseases (plants), Plant protection, Spraying.

18888-68

PEPPER. BACTERIAL SPOT, XANTHOMONAS VESICATORIA.
D J Morton D J Fieldhouse S H Kim
Amer Phytopathol Soc (rep) 23:77
1967 464.9 AM31R
Harvesting date, Pepper (spice), Plant diseases, Saccharin, Spraying, Weather, Xanthomonas vesicatoria.

18889-68

EFFECTS OF ULTRAVIOLET RADIATION ON THE ESTABLISHMENT OF ERYSIPHE GRAMINIS F. SP. TRITICI ON WHEAT.
M S Mount A H Ellingboe
Phytopathology 58(8):1171-1175
Aug 1968 464.8 P56
Erysiphe graminis, Fungus diseases (plants), Irradiation, Ultraviolet rays, Wheat.

18890-68

A ROT OF THE PRIMARY ROOT OF THE APPLE SEEDLING.
D Mulder
Horticultural Abs 38(3):685
Sep 1968 241 IM74
Apples, Fungus diseases (plants), Roots, Rot (apples).

18891-68

FUNGICIDES TO CONTROL CERCOSPORA DISEASE OF VINES.
O B Musinova A K Aleksan'jan
Horticultural Abs 38(3):688
Sep 1968 241 IM74
Cercospora, Climbing plants, Fungicides, Fungus diseases (plants), Pest control.

18892-68

RELATION OF NITROGEN FERTILIZERS AND MANURE TO VASCULAR WILT OF EGYPTIAN COTTON CAUSED BY FOUR FUSARIA SPECIES AND STRAINS.
M S Naim A S Shaaban
Mycopathol Mycol Appl 31(3-4):257-266, REF
28 Apr 1967 450 M994
Cotton, Fertilizers, Fusarium, Nitrogen, Wilt (cotton).

18893-68

A CELLOPHANE TRANSFER BIOASSAY FOR DETERMINING PERSISTENCE OF FUNGICIDES. (ABSTRACT).
D Neely
Phytopathology 58(8):1061
Aug 1968 464.8 P56
Biological assay, Fungicides, Fungus diseases (plants), Monilinia fructicola, Pesticide residues.

18894-68

RACES OF ERYSIPHE GRAMINIS DC. F. SP. HORDEI MARCHAL IN EUROPE. (GE)
I Nover F Bruckner A Wiberg M S Wolfe
Z Pflanzenkraukh (pflanzenpathol) Pflanzenschutz 75(6):350-353 REF
Jun 1968 464.8 Z3
Erysiphe graminis, Taxonomy. English summary

18895-68

KINSEALY RESEARCHERS OVERCOME BLACK CURRANT LEAF SPOT HAZARD.
F O'Riordain
Horticultural Abs 38(3):687
Sep 1968 241 IM74
Currants, Fungus diseases (plants), Leaf spot (currants), Research.

18896-68

RELATIONSHIPS OF TANNINS, POLYPHENOLICS, AND REDUCING SUGARS TO VERTICILLIUM WILT RESISTANCE OF STRAWBERRY CULTIVARS.
K A Okasha K Ryugo R S Bringhurst
Phytopathology 58(8):1118-1122 REF
Aug 1968 464.8 P56
Fungus diseases (plants), Phenols, Strawberries, Sugars, Tannins, Verticillium albo-atrum.

18897-68

INHIBITION OF GROWTH OF VERTICILLIUM ALBO-ATRUM SPORELINGS BY TANNINS AND POLYPHENOLS FROM INFECTED CROWNS OF VERTICILLIUM-RESISTANT AND -SUSCEPTIBLE STRAWBERRY CULTIVARS.
K A Okasha K Ryugo S Wilhelm R S Bringhurst
Phytopathology 58(8):1114-1117 REF
Aug 1968 464.8 P56
Phenols, Plant disease resistance, Plant extracts, Plant physiology, Strawberries, Tannins, Verticillium albo-atrum.

18898-68

ON THE OCCURRENCE OF GLOEOSPORIUM ON APPLE LEAVES.
K Olsson
Horticultural Abs 38(3):685
Sep 1968 241 IM74
Apples, Fungus diseases (plants), Gloeosporium.

18899-68

TRIALS ON HOT-WATER TREATMENT AGAINST GLOEOSPORIUM ON APPLES ONCE AGAIN.
K Olsson
Horticultural Abs 38(3):685
Sep 1968 241 IM74
Apples, Fungus diseases (plants), Gloesporium, Temperature, Water.

18900-68

SURVIVAL OF TOBACCO MOSAIC VIRUS IN SPACE.
G B Orlob P R Lorenz
Phytopathology 58(7):955-956
Jul 1968 464.8 P56
Infectious diseases, Mortality, Mosaic (tobacco), Solar radiation, Space biology, Tobacco, Viruses.

18901-68

RESEARCH ON A NEW ISOMETRIC VIRUS OF ATROPA BELLADONNA L. I. SYMPTOMATOLOGY, PURIFICATION, MORPHOLOGY, PHYSICAL AND CHEMICAL CHARACTERISTICS. (GE)
H L Paul O Bode M Jankulowa J Brandes
Phytopathol Z 61(4):342-361 REF
Apr 1968 464.8 P562
Atropa belladonna, Chenopodium quinoa, Culture media, Electron microscopy, Insect vectors, Morphology, Myzus persicae, Physiology, Research, Serological tests, Temperature, Virus diseases (plants). English summary

18902-68

HOST RANGE, CHARACTERISTICS, AND PURIFICATION OF PLUM LINE PATTERN VIRUS.
A Q Paulsen
Horticultural Abs 38(3):681
Sep 1968 241 IM74
Line pattern (plums), Plums, Properties, Virus diseases (plants).

18903-68
VIRUS DISEASES ON POME AND STONE FRUIT TREES AND THE NECESSITY FOR THEIR CONTROL.
A Pena Iglesias
Horticultural Abs 38(3):680
Sep 1968 241 IM74
Fruit, Plant protection, Trees, Virus diseases (plants).

18904-68
RUST FUNGI ON ARAUCARIACEAE.
R S Peterson
Mycopathol Mycol Appl 34(1):17-26 REF
19 Jan 1968 450 M994
Fungus diseases (plants), Plant taxonomy, Rust (Araucariaceae), Tree diseases, Uredinales.

18905-68
LEPTOSPHAERULINA-CERCOSPORA COMPLEX ON PEANUTS IN TEXAS. (ABSTRACT).
R E Pettit R A Taber A L Harrison
Phytopathology 58(8):1063
Aug 1968 464.8 P56
Cercospora, Fungus diseases (plants), Leptosphaerulina, Peanuts.

18906-68
CHENOPODIUM QUINOA, A HERBACEOUS TEST PLANT FOR CHLOROTIC LEAF SPOT VIRUS IN APPLE.
H J Pfaeltzer
Horticultural Abs 38(3):680
Sep 1968 241 IM74
Chenopodium quinoa, Chlorotic leafspot (apples), Research, Virus diseases (plants).

18907-68
CLUES TO FUMIGATION FOR OAK ROOT FUNGUS.
G Post
Horticultural Abs 38(3):684
Sep 1968 241 IM74
Fungus diseases (plants), Quercus, Roots, Soil fumigation.

18908-68
SUGAR BEET. LEAF SPOT, CEROSPORA BETICOLA.
H S Potter T L Bates
Amer Phytapathol Soc (rep) 23:102
1967 464.9 AM31R
Aerial spraying, Cercospora beticola, Chemicals, Fungicides, Meteorology, Research, Sugar beets, Tables (data).

18909-68
PEACH. BACTERIAL SPOT, XANTHOMONAS PRUNI.
D Powell
Amer Phytopathol Soc (rep) 23:55-56
1967 464.9 AM31R
Chemical control (plant diseases), Peaches, Research, Spraying, Trees, Weather, Xanthomonas pruni.

18910-68
DISTANCE OF NEEDLE INFECTION FROM STEM AFFECTS LIKELIHOOD OF GALL DEVELOPMENT ON SLASH PINE BY CRONARTIUM FUSIFORME.
H R Powers
Phytopathology 58(8):1147-1149
Aug 1968 464.8 P56
Cronartium fusiforme, Fungus diseases (plants), Pinus elliotti, Plant galls.

18911-68
GENETIC EFFECTS OF FERBAM ON ASPERGILLUS NIGER AND ALLIUM CEPA.
I Prasad D Pramer
Phytopathology 58(8):1188-1189
Aug 1968 464.8 P56
Aspergillus niger, Ferbam, Fungus diseases (plants), Genetics, Onions.

18912-68
INFECTIVITY, RIBONUCLEASE ACTIVITY, AND OTHER PHYSIOLOGICAL RELATIONSHIPS OF BARLEY STRIPE MOSAIC VIRUS-INFECTED BARLEY LEAVES. (ABSTRACT).
D R Pring R G Timian
Phytopathology 58(8):1063
Aug 1968 464.8 P56
Barley, Enzymes, Plant physiology, Ribonuclease, Stripe mosaic (barley), Virus diseases (plants).

18913-68
AGGREGATED FILAMENTS IN EXTRACTS FROM LUPINUS INFECTED WITH WATERMELON MOSAIC VIRUS.
D E Purcifull J R Ednardson S R Christie
Virology 35(3):478-482
Jul 1968 448.8 V81
Cytology, Electron microscopy, Lupinus angustifolius, Morphology, Mosaic (watermelons), Muskmelons, Plant disease transmission, Plant extracts, Pumpkins, Research, Virus diseases (plants).

18914-68
ANTIGENIC STUDY OF THE PROTEIN FROM A DEFECTIVE STRAIN OF TOBACCO MOSAIC VIRUS.
I Rappaport M Zaitlin
Science 157(3785):207-208
14 Jul 1967 470 SCI2
Antigens, Electrophoresis, Mosaic (tobacco), Proteins, Temperature, Tobacco, Virus diseases (plants).
Abstract

18915-68
PESTS AND DISEASES OF VEGETABLES AND THEIR CONTROL. SB951.0R42.
D B Reddy
75 P., NEW DELHI, MINISTRY OF FOOD AND AGRICULTURE
1965
Chemical control (plant diseases), Pesticides, Plant diseases, Research, Spraying equipment, Vegetables.

18916-68
PROTEASE ACTIVITY OF XANTHOMONAS ALFALFAE IN VITRO AND DURING PATHOGENESIS OF BACTERIAL LEAF SPOT OF ALFALFA. (ABSTRACT).
M N Reddy D L Stuteville E L Sorensen
Phytopathalagy 58(8):1064
Aug 1968 464.8 P56
Bacterial diseases (plants), Culture media, Leaf spot (alfalfa), Plant physiology, Xanthomonas alfalfae.

18917-68
INVESTIGATIONS ON THE INFLUENCE OF CROP ROTATION ON THE POPULATION DENSITY OF FREE-LIVING NEMATODES IN CONNECTION WITH THE CORKY RINGSPOT DISEASE OF POTATOES. I. POPULATION DENSITY OF THE NEMATODES. (GE)
V E Richter
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(1):9-23 REF
Jan 1968 464.8 Z3
Corky ringspot (potatoes), Crop rotation, Plant nematodes, Potatoes, Tobacco, Virus diseases (plants). English summary

18918-68
A TECHNIQUE FOR INOCULATING TOMATO FRUITS WITH THE ANTHACNOSE PATHOGEN, COLLETOTRICHUM COCCODES. (ABSTRACT).
M L Robbins F F Angell
Phytopathology 58(7):887
Jul 1968 464.8 P56
Anthracnose (tomatoes), Colletotrichum coccodes, Injections, Virus diseases (plants).

18919-68
AN EVALUATION OF THREE METHODS FOR MEASURING LEAF WATER POTENTIAL IN DUTCH ELM-DISEASED SEEDLINGS. (ABSTRACT).
B R Roberts
Phytopathalagy 58(8):1064-1065
Aug 1968 464.8 P56
Dieback (ulmus), Leaves, Measurement, Plant diseases, Plant water relations, Seedlings, Ulmus americana.

18920-68
CONTROL OF FUSICOCCUM AMYGDALI.
P Rosati C Fideghelli V Colantonio
Horticultural Abs 38(3):687
Sep 1968 241 IM74
Fungus diseases (plants), Fusicoccum amygdali, Peaches, Pest control.

18921-68
CITRUS FRUIT DECAY IN SOUTH AFRICA CAUSED BY PENICILLIUM DIGITATUM SACC.
G Roth
Phytopathol Z 58(4):383-396 REF
Apr 1967 464.8 P562
Citrus, Fungus diseases (plants), Insect pests, Penicillium digitatum. German summary

18922-68
WHEAT (SPRING MARQUIS). LEAF AND STEM RUST; PUCCINIA RECONDITA AND PUCCINIA GRAMINIS TP.?TICI.
J B Rowell
Amer Phytapathol Soc (rep) 23:107-108
1967 464.9 AM31R
Chemical control (plant diseases), Crop losses, Morphology, Puccinia graminis tritici, Puccinia recondita, Spraying, Tables (data), Weather, Wheat.

18923-68
WILD RUBUS SPP. AS NATURAL HOSTS OF TOBACCO RINGSPOT VIRUS. (ABSTRACT).
M C Rush G V Jr. Gooding D E Ellis
Phytopathalogy 58(8):1065
Aug 1968 464.8 P56
Blackberries, Host indexing (plants), Ring spot (tobacco), Virus diseases (plants).

18924-68
SYMPTOMATOLOGICAL AND EPIDEMIOLOGICAL STUDIES OF ALTERNARIA LEAF SPOT OF BEAN. (ABSTRACT).
S Saad D J Hagedorn
Phytapathalogy 58(8):1065
Aug 1968 464.8 P56
Alternaria tenuis, Beans, Epidemiology, Fungus diseases (plants), Leaf spot (beans), Research.

18925-68
BEANS (DRY FIELD). ROOT ROT, FUSARIUM SOLANI F. PHASEOLI.
A W Saettler H S Potter
Amer Phytopathol Soc (rep) 23:66-67
1967 464.9 AM31R
Beans, Chemicals, Crop yields, Fungicides, Fusarium solani, Harvesting, Pentachloronitrobenzene, Research.

18926-68
PROTECTION AGAINST MEMBRANE EFFECTS OF HELMINTHOSPORIUM VICTORIAE TOXIN BY CHEMICAL TREATMENTS. (ABSTRACT).
K R Samaddar
Phytopathology 58(8):1065-1066
Aug 1968 464.8 P56
Cells, Chemicals, Fungus diseases (plants), Helminthosporium victoriae, Plant injuries, Therapeutics, Toxins.

18927-68
POTATO. LATE BLIGHT, PHYTOPHTHORA INFESTANS.
S D Sanchez M C Hinojosa
Amer Phytopathol Soc (rep) 23:82-83

1967 464.9 AM31R
Chemical control (plant diseases), Crop yields, Fungicides, Insecticides, Phytophthora infestans, Potatoes, Research, Spraying, Weather.

18928-68
CHARACTERISTICS OF TOBACCO RATTLE VIRUS. I. EVIDENCE THAT IT'S TWO PARTICLES ARE FUNCTIONALLY DEFECTIVE AND MUTUALLY COMPLEMENTING.
H L Sanger
Z Vererbungslehre 101(4):346-367 REF
1968 442.8 Z34
Genes, Injections, Protein fibers, Rattle disease (tobacco), Virus diseases (plants).

18929-68
FRUIT TREES REPLANT DISEASE.
B M Savory
Horticultural Abs 38(3):678
Sep 1968 241 IM74
Crop rotation, Fruit, Plant diseases, Planting, Soil fumigation, Trees.

18930-68
CO2 ABSORPTION IN FOUR WHEAT VARIETIES AND DIFFERENTIAL RESPONSES TO INFECTION BY SEPTORIA NODORUM. (ABSTRACT).
A L Scharen
Phytopathology 58(7):887
Jul 1968 464.8 P56
Absorption (biological), Carbon dioxide, Injections, Photosynthesis, Phytopathology, Septoria nodorum, Wheat.

18931-68
MECHANISM OF STARCH HYDROLYSIS IN BEAN LEAVES DURING INFECTION BY BEAN RUST FUNGUS. (ABSTRACT).
A L Jr. Schipper C J Mirocha
Phytopathology 58(8):1066
Aug 1968 464.8 P56
Beans, Fungus diseases (plants), Hydrolysis, Leaves, Rust (beans), Starches.

18932-68
THE USE OF INTERSTOCKS, A PREVENTIVE MEASURE AGAINST COLLAR ROT IN APPLES.
A Schmidle
Horticultural Abs 38(3):685
Sep 1968 241 IM74
Apples, Collar rot (apples), Fungus diseases (plants).

18933-68
ANATOMY OF GREENING-DISEASED SWEET ORANGE SHOOTS.
H Schneider
Phytopathology 58(8):1155-1160 REF
Aug 1968 464.8 P56
Anatomy, Oranges, Trioza erytreae, Virus diseases (plants).

18934-68
POTATO. VERTICILLIUM WILT, VERTICILLIUM ALBO-ATRUM AND VERTICILLIUM DAHLIAE.
O E Schultz
Amer Phytopathol Soc (rep) 23:83-84
1967 464.9 AM31R
Chemicals, Defoliation, Fungi, Harvesting, Nematodes, Potatoes, Research, Sandy soils, Tables (data), Verticillium albo-atrum, Verticillium dahliae.

18935-68
POTATO. VERTICILLIUM WILT, VERTICILLIUM ALBO-ATRUM AND VERTICILLIUM DAHLIAE.
O E Schultz
Amer Phytopathol Soc (rep) 23:131
1967 464.9 AM31R
Chemical control (plant diseases), Crop yields, Fumigation, Insect control, Nematodes, Potatoes, Soils, Verticillium albo-atrum, Verticillium dahliae.

18936-68
TEMPERATURE RESPONSE OF SEEDS DURING THE EARLY PHASES OF GERMINATION AND ITS RELATION TO INJURY BY RHIZOCTONIA SOLANI. (ABSTRACT).
F A Schulz D F Bateman
Phytopathology 58(8):1067
Aug 1968 464.8 P56
Fungus diseases (plants), Plant injuries, Plant physiology, Rhizoctonia solani, Seed germination, Seeds, Temperature.

18937-68
DIFFERING EFFICIENCES OF POTASSIUM UTILIZATION IN STRAINS OF SNAPBEANS, PHASEOLUS VULGARIS L.
P F Shea G C Gerloff W H Gabelman
Plant Soil 28(2):337-346 REF
Apr 1968 450 P696
Chemurgy, Culture media, Kidney beans, Nutrient solutions (plants), Physiology, Plant diseases, Potassium, Research.

18938-68
DNA IN CAULIFLOWER MOSAIC VIRUS.
R J Shepherd R J Wakeman R R Romanko
Virology 36(1):150-152
Sep 1968 448.8 V81
Biochemistry, Brassica perviridis, Centrifugation, Deoxyribonucleic acid, Mosaic (cauliflower), Research, Spectrometry, Virus diseases (plants).

18939-68
MAPPING COLUMNS OF DISCOLORED AND DECAYED WOOD IN SUGAR MAPLE. (ABSTRACT).
A L Shigo E M Sharon
Phytopathology 58(8):1067
Aug 1968 464.8 P56
Acer saccharum, Fungus diseases (plants), Lumber preservation, Maps, Wood, Wood decay.

18940-68
INFLUENCE OF SOIL TEMPERATURE ON DETERIORATION OF RED CLOVER ROOTS BY FUSARIUM ROSEUM. (ABSTRACT).
W M Siddiqui P M Halisky
Phytopathology 58(8):1067
Aug 1968 464.8 P56
Deterioration, Fungus diseases (plants), Fusarium roseum, Red clover, Roots, Soil temperature.

18941-68
THE IDENTITY OF THE TOXIN PRODUCED BY PSEUDOMONAS CORONAFACIENS WITH THE WILDFIRE TOXIN FROM P. TABACI. (ABSTRACT).
S L Sinden R D Durbin
Phytopathology 58(8):1067-1068
Aug 1968 464.8 P56
Fungus diseases (plants), Pseudomonas coronafaciens, Pseudomonas tabaci, Tobacco, Toxins, Wildfire (tobacco).

18942-68
ON SOME INDIAN SPECIES OF MASSEEELLA.
H Singh B V Singh
Mycopathol Mycol Appl 33(2):193-199 REF
13 Nov 1967 450 M994
Fungus diseases (plants), Rust (Securinega), Securinega virosa, Uredinales.

18943-68
THE IN VITRO CULTURE OF PUCCINIA RECONDITA F. SP. TRITICI. (ABSTRACT).
L L Singleton H C Jr. Young
Phytopathology 58(8):1068
Aug 1968 464.8 P56
Culture media, Fungus diseases (plants), Leaves, Puccinia recondita, Wheat.

18944-68
STUDIES ON THE NATURE OF RESISTANCE IN TOMATO PLANTS TO VERTICILLIUM ALBO-ATRUM.
A K Sinha R K S Wood
Ann Appl Biol 62(2):319-327 REF
Oct 1968 442.8 AN72
Fungus diseases (plants), Plant disease resistance, Research, Tomatoes, Verticillium albo-atrum.

18945-68
BEAN (SNAP). ROOT ROT, RHIZOCTONIA SOLANI.
W Sitterly
Amer Phytopathol Soc (rep) 23:67
1967 464.9 AM31R
Beans, Chemicals, Irrigation, Research, Rhizoctonia solani, Soil moisture, Toxicology.

18946-68
A NEW DISEASE OF CROWNVETCH, CORONILLA VARIA, CAUSED BY SCLEROTINIA TRIFOLIORUM.
J M Skelly R B Carroll F L Lukezic
Plant Dis Rep 52(11):882-886
Nov 1968 1.9 P69P
Crownvetch coronilla, Fungus diseases (plants), Injuries, Research, Sclerotinia trifoliorum, Soil sterilization.

18947-68
ETIOLOGICAL STUDIES OF ERWINIA AMYLOVORA (BURRILL) WINSLOW U.S., AND ELECTROPHORETIC COMPARISONS OF IT WITH OTHER BACTERIA.
J H Smith
Horticultural Abs 38(3):683
Sep 1968 241 IM74
Apples, Bacterial diseases (plants), Electrophoresis, Erwinia amylovora, Research.

18948-68
A DISC ELECTROPHORETIC COMPARISON OF PROTEIN PATTERNS OF ERWINIA AMYLOVORA WITH OTHER BACTERIA, INCLUDING ASSOCIATED YELLOW FORMS.
J H Smith D Powell
Phytopathology 58(7):972-975 REF
Jul 1968 464.8 P56
Bacteria, Electrophoresis, Erwinia, Proteins, Xanthomonas pruni.

18949-68
CITRUS. BLACK SPOT, GUIGNARDIA CITRICARPA.
J H Smith
Amer Phytopathol Soc (rep) 23:60
1967 464.9 AM31R
Chemical control (plant diseases), Citrus, Guignardia citricarpa, Oranges, Research, Sulfates, Trees.

18950-68
CITRUS. BLACK SPOT, GUIGNARDIA CITRICARPA.
J H Smith
Amer Phytopathol Soc (rep) 23:60
1967 464.9 AM31R
Citrus, Dimethyl sulfoxide, Guignardia citricarpa, Oranges, Plant diseases, Research, Spraying.

18951-68
THE EFFECT OF LIGHT QUANTITY AND QUALITY ON SOYBEAN LEAVES INFECTED BY PSEUDOMONAS GLYCINEA. (ABSTRACT).
M A Smith B W Kennedy
Phytopathology 58(8):1068
Aug 1968 464.8 P56
Fungus diseases (plants), Leaves, Lighting, Photoperiodism, Pseudomonas glycinea, Soybeans.

18952-68
AUXIN TRANSPORT IN CURLY TOP VIRUS-INFECTED TOMATO. (ABSTRACT).
S H Smith S R McCall J H Harris
Phytopathology 58(8):1068
Aug 1968 464.8 P56
Biological transport, Curly top (tomatoes), Plant hormones, Tomatoes, Virus diseases (plants).

18953-68
WETTING ABILITY OF CATIONIC SURFACE-ACTIVE AGENTS AND THEIR CONTROL OF OAT POWDERY MILDEW.
E Somers R J Pring R J W Byrde
J Sci Food Agr 18(4):153-155
Apr 1967 382 SO12

Chemical control (plant diseases), Erysiphe graminis, Fungicides, Fungus diseases (plants), Ions, Oats, Powdery mildew (oats), Pyridinium compounds, Quaternary ammonium compounds, Surface-active agents.

18954-68
BACTERIA ASSOCIATED WITH GRAYWALL OF TOMATO. (ABSTRACT).
R E Stall C B Hall
Phytopathology 58(8):1069
Aug 1968 464.8 P56
Bacteria, Graywall (tomatoes), Tomatoes.

18955-68
GERMINATION TIME AND SENSITIVITY OF SPORES TO SOIL FUNGISTASIS. (ABSTRACT).
G W Steiner J L Lockwood
Phytopathology 58(8):1069
Aug 1968 464.8 P56
Allergies, Fungus diseases (plants), Seed germination, Soil fungi, Spores, Time.

18956-68
PREVALENCE OF PHYSIOLOGIC RACES OF PUCCINIA GRAMINIS F. SP. AVENAE AND TRITICI IN THE USA IN 1966.
D M Stewart B J Roberts
Plant Dis Rep 52(11):897-901
Nov 1968 1.9 P69P
Geography, Physiology, Puccinia graminis avenae, Puccinia graminis tritici, Surveys, Wheat.

18957-68
DETERMINATION OF LOSSES IN SOYBEANS CAUSED BY RHIZOCTONIA SOLANI. (ABSTRACT).
H Tachibana D Jowett W R Fehr
Phytopathology 58(8):1069
Aug 1968 464.8 P56
Crop losses, Fungus diseases (plants), Rhizoctonia solani, Soybeans.

18958-68
THE RELATIONSHIP BETWEEN BEAN YELLOW MOSAIC VIRUS AND PEA MOSAIC VIRUS.
R H Taylor P R Smith
Australian J Biol Sci 21(3):429-437 REF
Jun 1968 442.8 AU72
Chenopodium amaranticolor, Electron microscopy, Host indexing (plants), Measurement, Morphology, Mosaic (peas), Serological tests, Virus diseases (plants), Yellow mosaic (beans).

18959-68
INFORMATION ON SPRUCE SAWFLIES VIII. EGG COUNT AND OVIPOSITION. (GE)
V W Thalenhorst
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(6):338-350 REF
Jun 1968 464.8 Z3
Diprionidae, Insect eggs, Picea. English summary

18960-68
GERMINATION OF PHYTOPHTHORA ZOOSPORES: KINETICS OF ENCYSTMENT AND CELL WALL DIFFERENTIATION. (ABSTRACT).
J Tokunaga S Bartnicki-Garcia
Phytopathology 58(8):1070
Aug 1968 464.8 P56
Cell wall, Kinetics, Phytophthora, Plant physiology, Seed germination, Zoospores.

18961-68
FURTHER OBSERVATION ON THE TIME REQUIREMENT FOR HYPERSENSITIVE CELL DEATH OF POTATOES INFECTED BY PHYTOPHTHORA INFESTANS AND ITS RELATION TO METABOLIC ACTIVITY.
K Tomiyama
Phytopathol Z 58(4):367-378 REF
Apr 1967 464.8 P562
Cells, Fungus diseases (plants), Hypersensitivity, Metabolism, Mortality, Phytophthora infestans, Potatoes, Research, Time. German summary

18962-68
THE YIELD OF UREDOSPORES PER UNIT OF SPORULATING AREA AS A POSSIBLE MEASURE OF TOLERANCE OF OATS TO CROWN RUST. (ABSTRACT).
E Torres J A Browning
Phytopathology 58(8):1070
Aug 1968 464.8 P56
Crown rust (oats), Fungus diseases (plants), Oats, Seed germination, Uredospores.

18963-68
APPLE PROLIFERATION, MOSAIC AND CERTAIN LATENT VIRUSES AS MANIFESTED ON APPLE TEST PLANTS.
D Trifonov
Horticultural Abs 38(3):680
Sep 1968 241 IM74
Apples, Mosaic (apples), Virus diseases (plants).

18964-68
SERIOUS ATTACKS OF BOTRYTIS ON POME FRUITS.
V Tullio G Svampa
Horticultural Abs 38(3):684-685
Sep 1968 241 IM74
Botrytis, Fruit, Fungus diseases (plants), Plant injuries.

18965-68
PECTIC ENZYMES ASSOCIATED WITH BLACK ROOT ROT OF TOBACCO. (ABSTRACT).
L M Unbchaun L D Moore
Phytopathology 58(7):887
Jul 1968 464.8 P56
Black root rot (tobacco), Enzymes, Fungus diseases (plants), Hydrogen-ion concentration, Pectins, Thielaviopsis basicola, Tobacco.

18966-68
THE EFFECTS OF METHYL BROMIDE FUMIGATION AND GRAFTING ON YIELD AND ROOT DISEASES OF TOMATOES.
M E Upstone
Plant Pathol 17(3):103-107
Sep 1968 464.8 P692
Chemical control (plant diseases), Greenhouses, Methyl bromide, Phytophthora cryptogea, Plant grafting, Roots, Soil fumigation, Tomatoes.

18967-68
TOMATO. BACTERIAL SPOT, XANTHOMONAS VESICATORIA.
N G Vakili
Amer Phytopathol Soc (rep) 23:92
1967 464.9 AM31R
Chemical control (plant diseases), Crop losses, Insecticides, Seedlings, Spraying, Tables (data), Tomatoes, Toxicology, Weather, Xanthomonas vesicatoria.

18968-68
THE INFLUENCE OF VARIOUS RATES OF IRON, BORON, ZINC, MOLYBDENUM AND COPPER ON SYMPTOMS OF VIRUS NECROSIS OF VINE.
G Vanck
Horticultural Abs 38(3):683
Sep 1968 241 IM74
Boron, Copper, Iron, Molybdenum, Necrosis, Virus diseases (plants), Zinc.

18969-68
THE PEROXIDASE ENZYME IN BLACK SHANK-INFECTED TOBACCO. (ABSTRACT).
J A Veech
Phytopathology 58(7):887
Jul 1968 464.8 P56
Black shank (tobacco), Enzymes, Peroxidases, Phytophthora parasitica nicotianae, Plant anatomy, Plant physiology, Tobacco.

18970-68
RESISTANCE IN FLAX TO SEEDLING BLIGHT CAUSED BY RHIZOCTONIA SOLANI.
G Vest V E Comstock
Phytopathology 58(8):1161-1163
Aug 1968 464.8 P56
Flax, Fungus diseases (plants), Plant disease resistance, Rhizoctonia solani.

18971-68
STUDIES ON THE SUSCEPTIBILITY OF 148 APPLE VARIETIES TO VENTURIA INAEQUALIS (COOKE) ADERH.).
M Vitanov
Horticultural Abs 38(3):685
Sep 1968 241 IM74
Apples, Fungus diseases (plants), Plant disease resistance, Research, Venturia inaequalis.

18972-68
ON THE RELATIVE SUSCEPTIBILITY OF APPLE VARIETIES TO POWDERY MILDEW.
K A Vojtovic V K Smykov
Horticultural Abs 38(3):685
Sep 1968 241 IM74
Apples, Fungus diseases (plants), Plant disease resistance, Powdery mildew (apples).

18973-68
THE USES OF SEROLOGY IN THE STUDY OF CERTAIN VIRUS DISEASES OF WOODY FRUIT PLANTS.
A Vuittenez
Horticultural Abs 38(3):682
Sep 1968 241 IM74
Fruit, Research, Serological tests, Virus diseases (plants).

18974-68
VIRUS DETECTION IN STRAWBERRIES.
G Vukovits
Horticultural Abs 38(3):682
Sep 1968 241 IM74
Diagnosis, Strawberries, Virus diseases (plants).

18975-68
BEAN (SNAP). BACTERIAL BLIGHT, PSEUDOMONAS SYRINGAE.
E K Wade D J Hagedorn
Amer Phytopathol Soc (rep) 23:68
1967 464.9 AM31R
Beans, Harvesting, Irrigation, Pseudomonas syringae, Research, Spraying, Tables (data), Weather.

18976-68
CUCUMBER. ANGULAR LEAF SPOT, PSEUDOMONAS LACHRYMANS.
E K Wade P H Williams R Ahrens
Amer Phytopathol Soc (rep) 23:74-75
1967 464.9 AM31R
Chemicals, Cucumbers, Harvesting, Irrigation, Pseudomonas lachrymans, Research, Spraying, Weather.

18977-68
POTATO. EARLY BLIGHT, ALTERNARIA SOLANI.
E K Wade G G Weis R Ahrens
Amer Phytopathol Soc (rep) 23:84
1967 464.9 AM31R
Alternaria solani, Chemicals, Crop losses, Fungicides, Irrigation, Potatoes, Research, Spraying, Weather.

18978-68
A VIRUS ISOLATE FROM DESMODIUM RELATED TO TURNIP YELLOW MOSAIC. (ABSTRACT).
H J Walters H A Scott
Phytopathology 58(8):1071
Aug 1968 464.8 P56
Desmodium, Virus diseases (plants), Viruses, Yellow mosaic (turnips).

18979-68
DISTRIBUTION OF MATING TYPE FACTORS OF PLEUROTUS OSTREATUS FROM A SINGLE TREE AND SURROUNDING AREA. (ABSTRACT).
S S Wang N A Anderson
Phytopathology 58(8):1071
Aug 1968 464.8 P56

Breeding, Fungus diseases (plants), Pleurotus ostreatus, Trees, Ulmus.

18980-68
ADDITIONAL HERBACEOUS HOSTS OF THE EXOCORTIS VIRUS OF CITRUS. (ABSTRACT).
L G Weathers F C Jr Greer
Phytopathology 58(8):1071
Aug 1968 464.8 P56
Citrus, Exocortis (citrus), Host indexing (plants), Virus diseases (plants).

18981-68
THE OCCURRENCE OF FUSARIUM IN THE AIR IN NORTHERN HARDWOOD FORESTS. (ABSTRACT).
T C Weidensaul
Phytopathology 58(8):1071
Aug 1968 464.8 P56
Air, Forests, Fusarium roseum, Fusarium solani, Fusarium tricinctum, Hardwoods.

18982-68
WHEAT, WINTER, LEAF RUST, PUCCINIA RECONDITA.
J L Weihing D S Wysong
Amer Phytopathol Soc (rep) 23:108
1967 464.9 AM31R
Crop yields, Fungicides, Harvesting, Maneb, Puccinia recondita, Weather, Wheat.

18983-68
STUDIES ON THE ETIOLOGY AND DISEASE CYCLE OF BLUEBERRY CANKERS IN MICHIGAN. (ABSTRACT).
D P Weingartner E H Barnes E J Klos
Phytopathology 58(8):1071
Aug 1968 464.8 P56
Blueberries, Canker (fruit), Fungus diseases (plants), Phomopsis, Research.

18984-68
LIMA BEANS RESISTANT TO DOWNY MILDEW (PHYTOPHTORA PHASEOLI). (ABSTRACT).
R E Wester
Phytopathology 58(7):887
Jul 1968 464.8 P56
Downy mildew (lima beans), Lima beans, Phytophthora phaseoli, Plant disease resistance, Plant genetics.

18985-68
VIRULENCE OF VERTICILLIUM ALBO-ATRUM IN COTTON IN RELATION TO COLONY CHARACTERISTICS AND ENDOPOLYGALACTURONASE PRODUCTION. (ABSTRACT).
M V Wiese J E DeVay A Ravenscroft
Phytopathology 58(8):1072
Aug 1968 464.8 P56
Cotton, Fungus diseases (plants), Metabolism, Pectinase, Properties, Verticillium albo-atrum.

18986-68
DIFFERENTIAL SUSCEPTIBILITY OF RICE LEAVES AND PANICLES TO PIRICULARIA ORYZAE. (ABSTRACT).
G M Willis R D Allowitz E S Menvielle
Phytopathology 58(8):1072
Aug 1968 464.8 P56
Fungus diseases (plants), Leaves, Piricularia oryzae, Plant disease resistance, Rice.

18987-68
HEAT-INDUCED SUSCEPTIBILITY OF BLACK SHANK-RESISTANT TOBACCO TO PHYTOPHTHORA PARASITICA VAR. NICOTIANAE. (ABSTRACT).
W H Wills L D Moore
Phytopathology 58(7):887
Jul 1968 464.8 P56
Black shank (tobacco), Injections, Necrosis, Phytophthora parasitica nicotianae, Plant temperature, Tobacco.

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DUTCH ELM DISEASE IN ARKANSAS.
C L Wilson M C McDaniel C P Seymour
Plant Dis Rep 45(11):900
15 Nov 1961 1.9 P69P
Ceratocystis ulmi, Dieback (ulmus), Fungus diseases (plants), Tree diseases, Ulmus, Ulmus alata, Ulmus americana.

18989-68
NEW FUNGICIDES EFFECTIVE FOR PECAN SCAB CONTROL IN GEORGIA.
R E Worley S A Harmon
Horticultural Abs 38(3):687
Sep 1968 241 IM74
Fungicides, Fungus diseases (plants), Pecans, Scab (pecans).

18990-68
FORMATION OF LARGE NECROTIC LESIONS BY SUBLETHAL PHYSICAL AND CHEMICAL TREATMENTS OF PINTO BEAN PRIMARY LEAVES INFECTED WITH TOBACCO MOSAIC VIRUS (TMV). (ABSTRACT).
J Wu A Stubbs J E Dimitman
Phytopathology 58(8):1073
Aug 1968 464.8 P56
Chemicals, Kidney beans, Leaves, Mosaic (tobacco), Necrosis, Therapeutics, Virus diseases (plants).

18991-68
EFFECTS OF AERATED STEAM AND SELECTED FUMIGANT TREATMENT OF CASING SOIL ON MUSHROOM PRODUCTION AND MICROBIAL POPULATIONS OF THE SOIL. (ABSTRACT).
P J Wuest L C Schisler
Phytopathology 58(8):1073
Aug 1968 464.8 P56
Fumigants, Fungus diseases (plants), Microorganisms, Mushrooms, Soil fumigation, Steam.

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ON THE ISOLATION OF THE ENDOPARASITIC ROOT-NEMATODE. (GE)
V U Wyss
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(6):353-357 REF
Jun 1968 464.8 Z3
Plant nematodes, Pratylenchus penetrans, Roots, Temperature.

18993-68
VIRAL LESION FORMATION ON CHLOROPHYLL DEFICIENT LEAF AREA.
A Yamguchi
Phytopathal Z 61(4):399-400
Apr 1968 464.8 P562
Biochemistry, Broadbeans, Chlorophylls, Chloroplasts, Leaves, Plant nutritional deficiencies, Virus diseases (plants). German summary

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IN VITRO INCREASE IN VIRUS INFECTIVITY.
C E Yarwood
Nature 216(5112):269-270
21 Oct 1967 472 N21
Culture media, Host indexing (plants), Injections, Mosaic (beets), Mosaic (cucumbers), Plant disease transmission, Research, Tables (data), Virus diseases (plants).

18995-68
THE ROLE OF HELMINTHOSPORIUM VICTORIAE TOXIN IN THE INITIAL PHASE OF PATHOGENESIS ON OATS. (ABSTRACT).
O C Yoder R P Scheffer
Phytopathology 58(8):1074
Aug 1968 464.8 P56
Fungus diseases (plants), Helminthosporium victoriae, Oats, Toxins.

18996-68
THE PURIFICATION OF INSOLUBLE COAT PROTEINS FROM DEFECTIVE MUTANTS OF TOBACCO MOSAIC VIRUS (TMV). (ABSTRACT).
M Zaithin V Hariharasubramanian
Phytopathology 58(8):1074
Aug 1968 464.8 P56
Mosaic (tobacco), Mutation, Proteins, Sterilization, Tobacco, Virus diseases (plants).

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THE RAPID DEVELOPMENT AND SPREAD OF STRAIN B OF PHYTOPHTHORA PHASEOLI IN 1967. (ABSTRACT).
W J Zaumeyer R E Wester
Phytopathology 58(7):887
Jul 1968 464.8 P56
Downy mildew (lima beans), Fungus diseases (plants), Infectious diseases, Lima beans, Phytophthora phaseoli.

18998-68
BACTERIOPHAGE INTERRELATIONS AND PATHOLOGICAL CAPABILITIES OF TWO ERWINIA SPECIES AFFECTING THE PERSIAN WALNUT.
F M Zeitoun
Horticultural Abs 38(3):683
Sep 1968 241 IM74
Bacterial diseases (plants), Erwinia, Persian walnuts.

ARTHROPODS

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CONTROL OF COTTON PESTS IN THE NORTHEAST.
Anonymous
Faod Agr Organ UN ETAP Rep 2284:36P MAP
1967 281.9 F7330E
Cotton, Crop yields, Insect control, Insect pests, Plant protection. Report to the government of Brazil.

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RECORDS OF ARAECERUS FASCICULATUS DEGEER (COL., ANTHRIBIDAE) BREEDING IN EAST AFRICA.
F Ashman
Entomol Mon Mag (SER.4)98(270-2):124
Jun 1962 421 EN86
Araecerus fasciculatus, Breeding, Crops, Harvesting, Larvae, Plant injuries, Research.

19001-68
THE ECONOMIC IMPORTANCE OF ZEUZERA PYRINA IN THE LOWER RHONE VALLEY AND THE COST OF CHEMICAL CONTROL.
H Audemard
Horticultural Abs 38(3):692
Sep 1968 241 IM74
Agricultural economics, Chemical control (insects), Zeuzera pyrina.

19002-68
COTTON, NEMATODES, VARIOUS NEMATODES.
C W Blackman
Amer Phytopathol Soc (rep) 23:129
1967 464.9 AM31R
Chemicals, Cotton, Crop yields, Nematocides, Nematodes, Research, Sampling (statistics), Weather.

19003-68
SOYBEANS NEMATODES, VARIOUS NEMATODES.
C W Blackmon
Amer Phytopathol Soc (rep) 23:131
1967 464.9 AM31R
Chemicals, Crop yields, Nematocides, Nematodes, Research, Soybeans, Tables (data).

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PESTS OF WALNUT TREES.
H Bohm
Horticultural Abs 38(3):691
Sep 1968 241 IM74
Insect control, Insect pests, Juglans.

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INTEGRATED CONTROL OF SEVERAL APHIDS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.089.

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1966
Aphelinus mali, Crop losses, Eriosoma lanigerum, Integrated control (insects), Plant protection, Research, Temperature.

19006-68
BEAN (LIMA), SWEET POTATO, ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA.
B B Brodie S A Harmon
Amer Phytopathol Soc (rep) 23:128
1967 464.9 AM31R
Chemicals, Crop yields, Lima beans, Meloidogyne incognita, Research, Soil structure, Sweet potatoes.

19007-68
AN AREA CONTROL PROGRAM FOR THE PEAR PSYLLA.
E C Burts
Horticultural Abs 38(3):693
Sep 1968 241 IM74
Insect control, Insect pests, Pears, Psylla.

19008-68
A REPORT ON FORESTS, PESTS, AND PESTICIDES. REPORT, MAY 11, 1967. SB761.0B4.
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Animals, Biochemistry, Chemical control (insects), Forests, Insect control, Insecticides, Pesticides, Reports, Research, Toxicology.

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THE PICKLEWORM; ITS CONTROL ON CUCURBITS IN ALABAMA.
T D Canerday J d Dilbeck
Ala Agr Exp Sta Bull 381,27P.
Sep 1968 100 AL1S (1)
Biochemistry, Chemical control (insects), Cucurbits, Diaphania nitidalis, Insect morphology, Insect pests, Insecticides, Plant hardiness, Plant injuries, Tables (data).

19010-68
CONTROL OF CATERPILLARS ATTACKING CABBAGE.
T D Canerday F S Arant
Ala Agr Exp Sta Circ 163,18P.
Sep 1968 100 AL1S (2)
Cabbage, Caterpillars, Chemical control (pests), Insect pests, Larvae, Plant injuries.

19011-68
CONTROL OF THE GYPSY MOTH, PORTHETRIA DISPAR, IN QUEBEC.
J A Cardinal
Horticultural Abs 38(3):692
Sep 1968 241 IM74
Insect control, Plant protection, Porthetria dispar.

19012-68
MONOLAYER CULTURES OF INSECT CELL LINES AND THEIR INOCULATION WITH A PLANT VIRUS.
R J Chiu L M Black
Nature 215(5105):1076-1078
02 Sep 1967 472 N21
Agallia constricta, Cells, Culture media, Injections, Insect vectors, Plant disease transmission, Virus diseases (plants).

19013-68
APPLE: SCAB, VENTURIA INAEQUALIS.
S R Conner R W Miller J W Heuberger
Amer Phytopathol Soc (rep) 23:32-33
1967 464.9 AM31R
Apples, Chemical control (insects), Cuticle, Leaves, Spraying, Trees, Venturia inaequalis.

19014-68
APPLE. APPLE SCAB, VENTURIA INAEQUALIS.
S R Connor R W Miller J W Heuberger
Amer Phytopathol Soc (rep) 23:33-34
1967 464.9 AM31R
Apples, Dodine, Fungicides, Glyodin, Laboratories, Research, Spraying equipment, Trees, Venturia inaequalis.

19015-68
APPLE, APPLE SCAB, VENTURIA INAEQUALIS.
C J Delp
Amer Phytopathol Soc (rep) 23:35
1967 464.9 AM31R
Apples, Chemical control (insects), Hibernation, Spraying, Trees, Venturia inaequalis, Weather.

19016-68
TOBACCO, FLUE-CURED (PLANT BED), DAMPING-OFF AND ROOT ROT SOIL-BORNE PATHOGENS INCLUDING; PHYTOPHTHORA PARASITICA VAR. NICOTIANAE, AND MELOIDOGYNE SP., CONTROL OF WEEDS.
P D Dukes
Amer Phytopathol Soc (rep) 23:135-136
1967 464.9 AM31R
Crop yields, Meloidogyne, Microorganisms, Pesticides, Phytophthora parasitica nicotianae, Research, Soil analysis, Tables (data), Tobacco.

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POSSIBLE NEW APPROACH TO THE CHEMICAL CONTROL OF PLANT FEEDING INSECTS.
C E Dyte
Nature 216(5112):298 REF
21 Oct 1967 472 N21
Biochemistry, Chemical control (insects), Feeding, Insect pests, Insect repellents, Insecticides, Plant hardiness, Plant injuries, Research.

19018-68
BIOLOGY AND CONTROL OF LEOPARD MOTH ON PEAR TREES IN THE UNITED ARAB REPUBLIC.
M E Eldefrawl I Hanbal S M Hammad
Horticultural Abs 38(3):692
Sep 1968 241 IM74
Biology, Insect control, Pears, Zeuzera pyrina.

19019-68
ANNOTATED BIBLIOGRAPHY OF THE LITERATURE, 1792-1962, ON THE ELM SPANWORM, ENNOMOS SUBSIGNARIUS (HBN.). Z5858.L5F4.
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40 P.
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Bibliography, Ennomos subsignarius, Food plants, Forest insects, Insect behavior, Insect pests, Ulmus.

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THE ASPECTS OF INTEGRATED CONTROL WITH REFERENCE TO APHIDS AND SCALE INSECTS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
J Fluiter
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1966
Aphididae, Chemicals, Crop losses, Environment, Integrated control (insects), Predaceous insects, Research.

19021-68
TRANSMISSION OF STRAWBERRY MOTTLE VIRUS BY JUICE AND APHIDS TO HERBACEOUS HOSTS.
N W Frazier
Horticultural Abs 38(3):682
Sep 1968 241 IM74
Aphididae, Insect vectors, Mottle (strawberries), Virus diseases (plants).

19022-68
TOBACCO ROOT-KNOT AND LESION NEMA., MELOIDOGYNE SP. AND PRATYLENCHUS SP.
T W Graham
Amer Phytopathol Soc (rep) 23:136-137
1967 464.9 AM31R
Chemical control (pests), Crop yields, Fumigation, Meloidogyne, Plant injuries, Pratylenchus, Research, Soils, Tables (data), Tobacco.

19023-68
KEYS TO THE HETERODERA GROUP AND SPECIES OF THE HETERODERA ROSTOCHIENSIS GROUP.
I Granek
Plant Dis Rep 52(11):827-228
Nov 1968 1.9 P69P
Crop yields, Cysts, Heterodera rostochiensis, Potatoes, Research, Seeds, Surveys, Vulva.

19024-68
ON THE COMBINED APPLICATION OF INSECTICIDES, IRON CHELATES AND UREA IN FRUIT ORCHARDS.
V A Grodskij
Horticultural Abs 38(3):696
Sep 1968 241 IM74
Biochemistry, Chelation, Fruit, Insecticides, Iron, Pesticide application, Plant protection, Urea.

19025-68
FURTHER STUDIES OF EFFECTS OF ANTIBIOTICS AND OTHER COMPOUNDS ON FECUNDITY AND MORTALITY OF THE TWO-SPOTTED SPIDER MITE.
F H Harries
Horticultural Abs 38(3):690
Sep 1968 241 IM74
Antibiotics, Chemicals, Insect pests, Mortality, Plant protection, Research, Tetranychus urticae.

19026-68
NOTES ON SOME APHIDS FROM BRITISH NORTH BORNEO.
G D Heathcote U F Eastop
Entomol Mon Mag (SER.4)98(267-9):97-98
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Aphididae, Feeding, Insect pests, Insect traps, Plant injuries, Plants, Research.

19027-68
THE PRESENT POSSIBILITIES AND PROSPECTS OF INTEGRATED CONTROL OF APHIS FABAE SCOP. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
I Hodek J Holman K Novak V Skuhravy P Stary L Weismann
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1966
Aphis fabae, Environment, Insecticides, Integrated control (insects), Predaceous insects, Research.

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THE EGGS AND OVIPOSITION SITES OF HYALIODES VITRIPENNIS ON APPLE TREES (MIRIDAE: HEMIPTERA).
R L Horsburgh D Asquita
Horticultural Abs 38(3):690
Sep 1968 241 IM74
Apples, Hyaliodes vitripennis, Insect behavior, Insect eggs, Insect pests, Miridae.

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THE ROLE OF APHIDOPHAGOUS COCCINELLIDS IN BIOLOGICAL CONTROL. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
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1966
Aphididae, Biological control (insects), Coccinellidae, Population statistics, Predaceous insects, Research.

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HOPPERBURN DISEASE OF CASTOR BEAN VARIETIES CAUSED BY EMPOASCA FLAVESCENS (F.) IN RELATION TO THE HISTOLOGY OF LEAVES.
S Jayaraj
Phytopathol Z 58(4):397-406 REF
Apr 1967 464.8 P562
Castorbeans, Empoasca flavescens, Histology, Insect pests, Leaves. German summary

19031-68
ENTOMOLOGY DEPARTMENT.
C G Johnson

Rothamsted Exp Sta Rep 1967:188-210
1968 103 R74GA
Acyrthosiphon pisum, Aphididae, Beans, Crop yields, Entomology, Insect behavior, Insect biology, Insect flight, Insect morphology, Insect traps, Insect vectors, Insecticides, Plant disease transmission, Reports, Surveys, Tables (data), Virus diseases (plants).

19032-68
THE ORIENTAL FRUIT MOTH.
E L Jones
Horticultural Abs 38(3):692
Sep 1968 241 IM74
Fruit, Grapholitha molesta, Insect control.

19033-68
PESTS OF THE GRAPEVINE.
E L Jones
Horticultural Abs 38(3):678
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Grapes, Insect control, Insect pests, Plant protection.

19034-68
DISTRIBUTION OF PHONY PEACH VECTORS IN SOUTH CAROLINA.
A Kalkandelen R C Fox
Horticultural Abs 38(3):681
Sep 1968 241 IM74
Insect dissemination, Insect vectors, Peaches, Phony disease (peaches).

19035-68
ATTRACTION OF PEAR PSYLLA TO BLACKLIGHT.
G H Kaloostian W W Wolf
Horticultural Abs 38(3):693
Sep 1968 241 IM74
Attractants, Infrared rays, Insect pests, Insect traps, Light traps, Pears, Psylla.

19036-68
APPLE. APPLE SCAB, VENTURIA INAEQUALIS.
E J Klos J Kobb R Miller
Amer Phytopathol Soc (rep) 23:43
1967 464.9 AM31R
Apples, Chemical control (insects), Difolatan, Fungicides, Venturia inaequalis.

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THE PROSPECT OF THE USE OF INSECTICIDES BASED ON CARBAMIC ACID. (CZ)
J Klumpar
Agrochemia 8(4):53-55 REF
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Carbamic acid, Chemical control (insects), Insecticides, Plant protection.

19038-68
CHERRY (SWEET). ROOT LESION NEMATODE, PRATYLENCHUS PENETRANS.
J A Knierim F R Fronek M A Veenstra
Amer Phytopathol Soc (rep) 23:128
1967 464.9 AM31R
Chemicals, Mazzard cherries, Pratylenchus penetrans, Research, Sandy soils, Soil analysis.

19039-68
ALLOTROPA IN THE SAMARKAND REGION.
V A Lehedev
Horticultural Abs 38(3):691
Sep 1968 241 IM74
Allotropa burrelli, Insect pests, Morus, Plant protection, Pseudococcus comstocki.

19040-68
AN APPRAISAL OF METHODS OF SAMPLING APPLE TREES AND RESULTS OF SOME TESTS USING A SAMPLE UNIT COMMON TO INSECT PREDATORS AND THEIR PREY.
F T Lord
Horticultural Abs 38(3):690
Sep 1968 241 IM74
Apples, Insect pests, Panonychus ulmi, Predaceous insects, Trees.

19041-68
THE RIGHT TRAP FOR THE RIGHT TIMING.
H Madsen
Horticultural Abs 38(3):691-692
Sep 1968 241 IM74
Apples, Insect control, Insect pests, Insect traps, Pears.

19042-68
THE LARVA OF THE DOCK SAWFLY, AMETASTEGIA GLABRATA, AS A PEST IN ORCHARDS.
E Mani L Stalder
Horticultural Abs 38(3):693
Sep 1968 241 IM74
Ametastegia glabrata, Fruit, Insect pests, Larvae.

19043-68
INSECTICIDAL LABORATORY STUDIES ON SISAL WEEVIL (SCYPHOPHORUS INTERSTITIALIS GYLL., CURCULIONIDAE, COLEOPTERA). III. SYSTEMIC INSECTICIDES APPLIED TO SOIL.
M E A Materu D Webley
Arusha Trop Pesticides Res Inst Misc Rep 564,14 P
Jun 1966 423.92 G7922
Chemical control (insects), Disulfoton, Insecticides, Phorate, Plant metabolism, Plant translocation, Scyphophorus interstitialis, Sisal, Soil sanitation.

19044-68
THE ACTION OF SEVIN ON CODLING MOTH EGGS.
A S Matvievskij
Horticultural Abs 38(3):692
Sep 1968 241 IM74
Carbaryl, Carpocapsa pomonella, Insect control, Insect eggs, Insecticides, Plant protection.

19045-68
GRAPE LEAF BLISTER MITE.
R A McLachlan
Horticultural Abs 38(3):690
Sep 1968 241 IM74
Chemical control (insects), Eriophyes vitis, Grapes, Insect pests.

19046-68
IMPORTANCE OF APHIDOPHAGOUS INSECTS IN THE REGULATION OF POTATO APHID. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
W Meier
323-325
1966
Aphididae, Chemical control (insects), Insect outbreaks, Population statistics, Potatoes, Predaceous insects, Research, Virus diseases (insects).

19047-68
MORPHOLOGY, BIOLOGY, AND PHYTOPATHOLOGICAL SIGNIFICANCE OF THE GENUS APPELIA C.P. (APHIDOIDEA: APHIDIDAE). I. (GE)
M Mostafawy
Z Angew Zool 54(3):373-432
1967 449.8 Z36
Aphididae, Appelia, Insect biology, Insect morphology, Insect vectors, Peaches, Plant pests, Plums.

19048-68
IDENTIFICATION OF ERIOPHYID MITES TRAPPED ON SILICONE GREASE-COATED SLIDES. (ABSTRACT).
L R Nault W E Styler
Phytopathology 58(8):1061
Aug 1968 464.8 P56
Eriophyidae, Insect traps, Insect vectors, Mites, Plant diseases, Silicones.

19049-68
PREDATORS OF APHIDS, ASSOCIATED WITH ORCHARDS. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
E Niemczyk
275-276
1966
Aphididae, Apples, Chrysopa, Coccinella, Fungicides, Heteroptera, Orchidaceae, Predaceous insects, Research, Spraying.

19050-68
AN EXPERIMENTAL SPRAY PROGRAM FOR INTEGRATED CONTROL OF INSECTS AFFECTING SOUR CHERRY.
E R Oatman
Horticultural Abs 38(3):691
Sep 1968 241 IM74
Insect control, Research, Sour cherries, Spraying.

19051-68
A MITE THAT IS HARMFUL TO YOUNG PLUM TREES.
K Olsson
Horticultural Abs 38(3):690
Sep 1968 241 IM74
Aculus fockeui, Insect pests, Mites, Plums, Trees.

19052-68
TOBACCO ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA ACRITA.
W W Osborne
Amer Phytopathol Soc (rep) 23:141
1967 464.9 AM31R
Chemical control (insects), Fertilization (plants), Meloidogyne incognita acrita, Research, Soil structure, Tables (data), Tobacco, Transplanting.

19053-68
TOBACCO ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA ACRITA.
W W Osborne
Amer Phytopathol Soc (rep) 23:140
1967 464.9 AM31R
Chemical control (pests), Crop yields, Fertilization (plants), Meloidogyne incognita acrita, Nematocides, Research, Soil structure, Soil temperature, Tables (data), Tobacco.

19054-68
TOBACCO ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA ACRITA.
W W Osborne
Amer Phytopathol Soc (rep) 23:139
1967 464.9 AM31R
Chemical control (pests), Meloidogyne incognita acrita, Research, Soil moisture, Soil structure, Tables (data), Tobacco.

19055-68
TOBACCO ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA ACRITA.
W W Oshorne
Amer Phytopathol Soc (rep) 23:138-139
1967 464.9 AM31R
Chemical control (insects), Crop yields, Fertilization (plants), Meloidogyne incognita acrita, Research, Soil structure, Soil temperature, Tobacco.

19056-68
TOBACCO OSBORNES CYST NEMATODE. (BEING DESCRIBED BY DR. L. I. MILLER).
W W Oshorne
Amer Phytopathol Soc (rep) 23:138
1967 464.9 AM31R
Chemical control (insects), Chemicals, Nematodes, Soil structure, Tables (data), Temperature, Tobacco, Transplanting.

19057-68
SOYBEAN. STING NEMATODE, BELONOLAIMUS SP.
W W Osborne
Amer Phytopathol Soc (rep) 23:132
1967 464.9 AM31R
Belonolaimus, Chemical control (pests), Crop yields, Fertilizers, Research, Soil analysis, Soils, Soybeans.

19058-68
POPULATION DYNAMICS OF THE PARASITES AND HYPERPARASITES OF

BREVICORYNE BRASSICAE (L.). IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
D Paetzold G Vater
279-281
1966
Brevicoryne brassicae, Cabbage, Demography, Harvesting, Integrated control (insects), Parasitic insects, Research.

19059-68
APPLE. SCAB, VENTURIA INAEQUALIS.
D H Palmiter
Amer Phytapathol Soc (rep) 23:46
1967 464.9 AM31R
Apples, Fungicides, Spraying, Trees, Venturia inaequalis, Weather.

19060-68
INSECTICIDES AND FUNGICIDES DEPARTMENT.
C Potter
Rothamsted Exp Sta Rep 1967:163-187
1968 103 R74GA
Biochemistry, Biological assay, Chemical control (insects), Chemical control (plant diseases), Fungicides, Insecticides, Pesticide application, Poisoning, Reports, Tables (data).

19061-68
CHEMICAL ATTRACTANTS FOR NAVEL ORANGEWORM MOTHS.
D W Price J A Mazrimas F M Summers
Horticultural Abs 38(3):692
Sep 1968 241 IM74
Attractants, Chemicals, Insect pests, Oranges, Paramyelois transitella.

19062-68
WOODEN APPLES LURE COSTLY PEST.
R J Prokopy
Horticultural Abs 38(3):691
Sep 1968 241 IM74
Apples, Insect control, Insect pests, Insect traps, Rhagoletis pomonella.

19063-68
PROGRESS OF THE STERILIZATION PROGRAM FOR CODLING MOTH CONTROL DURING 1967.
M D Proverbs
Horticultural Abs 38(3):692
Sep 1968 241 IM74
Carpocapsa pomonella, Insect control, Sterility, Time.

19064-68
APHID SAMPLING EFFICIENCY OF MOERICKE TRAPS AFFECTED BY HEIGHT AND BACKGROUND.
W A Rawlins
J Econ Entomol 61(1):109-114 REF
Feb 1968 421 J822
Aphididae, Insect migration, Insect populations, Insect traps, Insect vectors, Lettuce, Mosaic (lettuce), Plant disease transmission, Zoogeography.
Abstract

19065-68
RESEARCH ON PEAR MORIA; PEAR DECLINE DISEASE. FINAL TECHNICAL REPORT, SEPTEMBER 11, 1962-SEPTEMBER 10, 1967. SB608.P4R4.
E Repatti
25P.
1967
Epidemiology, Insect vectors, Moria (pears), Nematodes, Plant disease transmission, Plant physiology, Psylla, Reports, Research, Roots.

19066-68
THE PEAR LEAF BLISTER MITE.
G D Rimes
West Aust J Agr 9(6):159-160
Jun 1968 23 W520J
Chemical control (insects), Crop yields, Environment, Eriophyes pyri, Research.

19067-68
THE APPLE SEED CHALCID, TORYMUS VARIANS, IN QUEBEC.
I Rivard
Horticultural Abs 38(3):693
Sep 1964 241 IM74
Apples, Insect pests, Torymus varians.

19068-68
CONTRIBUTION TO THE REGULATION OF THE GROWTH OF PROTECTING BELTS ON THE SLOPES OF THE TERRACES. (CZ)
J Rozkos V Sedlak
Agrochemia 8(1):20-24
1968 385 AG88
Chemical control (weeds), Fruit, Grasses, Plant protection, Plant regulators.

19069-68
PLANT-PARASITIC NEMATODES ASSOCIATED WITH SOUTHERN HARDWOOD AND CONIFEROUS FOREST TREES.
J L Ruehle
Plant Dis Rep 52(11):837-839
Nov 1968 1.9 P69P
Coniferae, Geography, Hardwoods, Nematodes, Parasitic insects, Surveys. A list of trees and nematodes are given

19070-68
SOME EFFECTS OF SPRAYING WITH THIABENDAZOLE ON THE SUSCEPTIBILITY OF SUGAR BEET TO YELLOWING VIRUSES AND ON THEIR VECTOR, MYZUS PERSICAE (SULZ.).
G E Russell
Ann Appl Biol 62(2):265-272
Oct 1968 442.8 AN72
Insect vectors, Myzus persicae, Plant disease resistance, Spraying, Sugar beets, Thiazolyl)-benzimidizole, 2-(4-, Virus diseases (plants), Yellows (sugar beets).

19071-68
AN APHID PREDATOR EXCLUSION TEST. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
R I Sailer
263
1966
Chrysopa, Coccinella septempunctata, Crop yields, Insect cages, Macrosiphum euphorbiae, Population, Potatoes, Predaceous insects, Research.

19072-68
THE SIGNIFICANCE OF COCCINELLIDAE IN THE BIOLOGICAL CONTROL OF APPLE-TREE APHIDS IN THE ALMA-ATA FRUIT-GROWING REGION. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
G I Savoiskaya
317-319
1966
Aphididae, Apples, Biological control (insects), Chemicals, Coccinellidae, Orchidaceae, Plant injuries, Research.

19073-68
VIRUS PARTICLES IN CHLORDPLASTS OF PLANTS INFECTED WITH THE U5 STRAIN OF TOBACCO MOSAIC VIRUS.
T A Shalla
Virology 35(2):194
Jun 1968 448.8 V81
Antibodies, Chloroplasts, Electron microscopy, Leaves, Morphology, Mosaic (tobacco), Rihonucleic acid, Virus diseases (plants).

19074-68
PREPARATION AND PROPERTIES OF THE PROTEIN AND NUCLEIC ACID COMPONENTS OF PEA ENATION MOSAIC VIRUS.
R J Shepherd R J Wakeman S A Ghabrial
Virology 35(2):255-267 REF
Jun 1968 448.8 V81
Acids, Enation mosaic (peas), Molecular weight, Nucleic acids, Proteins, Virus diseases (plants).

19075-68
COMPARISONS OF SOIL AND FOLIAR APPLICATIONS OF ACARICIDES FOR CONTROL OF THE TWO-SPOTTED SPIDER MITE ON STRAWBERRIES IN SOUTHERN CALIFORNIA.
H H Shorey R L Hale V Voth
Horticultural Abs 38(3):690
Sep 1968 241 IM74
Acaricides, Foliar application, Insect pests, Soils, Strawberries, Tetranychus urticae.

19076-68
THE PERFORMANCE OF 13 CHEMICAL COMPOUNDS WITH AN ACARICIDAL ACTION AGAINST THE EUROPEAN RED SPIDER MITE (PANONYCHUS ULMI; ACARINA, TETRANYCHIDAE).
A Silveira-Guido J Carbonell Bruhn J E Briozzo
Horticultural Abs 38(3):690
Sep 1968 241 IM74
Acaricides, Chemicals, Insect pests, Panonychus ulmi.

19077-68
FUNGICIDE-NEMATOCIDE TESTS; RESULTS FOR 1967.
J B Sinclair
Amer Phytopathol Soc (rep) 23,148 P.
1967 464.9 AM31R
Antibiotics, Fruit, Fungicides, Insect control, Nematocides, Plant diseases.

19078-68
SUMMING-UP OF THE SECTION V. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
R F Smith
285-287
1966
Aphididae, Coccinella, Demography, Environment, Feeding, Pest control, Predaceous insects, Research.

19079-68
NATURAL REGULATION OF ALFALFA APHIDS IN CALIFORNIA. IN: HODEK, I., ED. ECOLOGY OF APHIDOPHAGOUS INSECTS. SB975.0S9.
R F Smith K S Hagen
297-315
1966
Alfalfa, Ecology, Insect migration, Population statistics, Research, Therioaphis trifolii, Weather.

19080-68
TOBACCO (BURLEY) ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITO.
C J Southards
Amer Phytopathol Soc (rep) 23:142
1967 464.9 AM31R
Chemical control (insects), Humidity, Meloidogyne incognita, Soils, Tobacco, Transplanting, Vorlex, Weather.

19081-68
SWEET POTATO, ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA.
C J Southards C H Hadden
Amer Phytopathol Soc (rep) 23:135
1967 464.9 AM31R
Chemical control (insects), Crop yields, Meloidogyne incognita, Soil sampling, Soils, Sweetpotatoes.

19082-68
TOBACCO (BURLEY) ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA.
C J Southards
Amer Phytopathol Soc (rep) 23:142
1967 464.9 AM31R
Chemical control (pests), Harvesting date, Meloidogyne incognita, Research, Tables (data), Tobacco, Toxicology, Transplanting, Weather.

19083-68
RED SPIDER MITE IN DECIDUOUS FRUIT ORCHARDS.
P L Swart
Horticultural Abs 38(3):689

Sep 1968 241 IM74
Acaricides, Fruit, Insect pests, Mites, Spraying.

19084-68
APPLE. SCAB, VENTURIA INAEQUALIS.
M Szkolnik
Amer Phytopathol Soc (rep) 23:47
1967 464.9 AM31R
Apples, Azinphosmethyl, Captan, Chemical control (plant diseases), Dicofol, Fungicides, Venturia inaequalis.

19085-68
APPLE. SCAB, POWDERY MILDEW; VENTURIA INAEQUALIS, AND PODOSPHAERA LEUCOTRICHA.
M Szkolnik
Amer Phytopathol Soc (rep) 23:48
1967 464.9 AM31R
Aerial spraying, Apples, Chemical control (insects), Chemicals, Fungicides, Podosphaera leucotricha, Research, Venturia inaequalis.

19086-68
TOBACCO (SHADE-GROWN), ROOT ROT COMPLEX PREDOMINATELY PRATYLENCHUS PENETRANS AND PRATYLENCHUS BRACHYURUS.
W B Tappan R R Kincaid G C Smart Jr.
Amer Phytopathol Soc (rep) 23:142-143
1967 464.9 AM31R
Chemicals, Crop yields, Insect control, Plant injuries, Pratylenchus brachyurus, Pratylenchus penetrans, Research, Tobacco, Toxicology.

19087-68
TOBACCO ROOT-KNOT NEMATODE, MELOIDOGYNE SP.
S S Thompson
Amer Phytopathol Soc (rep) 23:143
1967 464.9 AM31R
Chemicals, Crop yields, Fumigants, Meloidogyne, Nematocides, Research, Tables (data), Tobacco, Transplanting.

19088-68
ARGYROTAENIA PULCHELLANA (HAWORTH) (LEPIDOPTERA, TORTRICIDAE) INJURIOUS TO FENNEL (FOENICULUM VULGARE DULCE MILL.) IN CAMPANIA. (IT)
E Tremblay
Portici Lab Entomol Agr Filippo Silvestri Boll 24:31-48 REF
1966 420 P82B
Argyrotaenia pulchellana, Carbaryl, Chemical control (insects), Foeniculum vulgare, Insect behavior, Insect biology, Tortricidae.
English summary.

19089-68
CABBAGE INSECTS; HOW TO CONTROL THEM IN THE HOME GARDEN.
U S D A Home Gard Bull 44:4 P.
1968 1 AG840HG
Biochemistry, Cabbage, Chemical control (insects), Crop losses, Feeding, Gardens, Insect pests, Insecticides, Leaves, Plant injuries, Tables (data).

19090-68
OBSERVATIONS ON THE EFFECT OF FLOWERS ON THE ACTIVITY OF PARASITIC HYMENOPTERA.
H F Van Emden
Entomol Mon Mag (SER.4)97(273-276):265-270
Sep 1962 421 EN86
Experimental insects, Feeding, Hymenoptera, Insect behavior, Insect traps, Parasitic insects, Plants, Research, Tables (data).

19091-68
CICADA DAMAGE TO YOUNG FRUIT TREES IN LIMBURG.
A Van Frankenhuyzen
Horticulturol Abs 38(3):691
Sep 1968 241 IM74
Cicadidae, Fruit, Insect pests, Plant injuries, Trees.

19092-68
INVESTIGATION OF THE VINEYARD BEHAVIOR OF THE LEAFHOPPER SCAPHOIDEUS LITTORALIS IN ITS NATIVE NEARCTIC REGION.
C Vidano
Horticulturol Abs 38(3):691
Sep 1968 241 IM74
Grapes, Insect behavior, Research.

19093-68
STUDIES ON THE RELATIONS OF INSECTS AND HOST PLANT. II. EFFECTS OF WATER STRESS IN HOST PLANTS ON THE FECUNDITY OF MYZUS PERSICAE (SULZ.) AND BREVICORYNE BRASSICAE (L.).
C H Wearning
Nature 213(5080):1052-
11 Mar 1967 472 N21
Aphididae, Brevicoryne brassicae, Fertility, Leaves, Myzus persicae, Plant water relations, Reproduction, Research, Temperature.

19094-68
RESISTANCE OF ALFALFA VARIETIES TO THE POTATO LEAFHOPPER: SEEDLING SURVIVAL AND FIELD DAMAGE AFTER INFESTATION.
J A Webster E L Sorensen R H Painter
Crop Sci 8(1):15-17 REF
Jan 1968 64.8 C883
Alfalfa, Crop losses, Crop varieties, Empoasca fabae, Plant pest resistance.

19095-68
THE OCCURRENCE OF ORYZAEPHILUS SURINAMENSIS (L.) (COL., SILVANIDAE) ON DRIED CHICORY.
G C Williams
Entomol Mon Mag (SER.4)98(267-9):109
Mar 1962 421 EN86
Chicory, Humidity, Insects, Oryzaephilus surinamensis, Plant injuries, Research, Storage, Temperature.

19096-68
INSECTS OF FIELD CROPS IN N. W. IRAQ.
L K A Yaman S J Jarjes
60(3):387-394,MAP
Oct 1967
Field crops, Insect pests.

NEMATODES

19097-68
RESULTS ON TRIALS ON THE DISINFECTION OF VINEYARD SOILS IN THE SOUTH OF FRANCE.
D Boubals A Dalmasso
Horticulturol Abs 38(3):689
Sep 1968 241 IM74
Grapes, Nematodes, Soil fumigation, Soils.

19098-68
STEROL COMPOSITION OF THE NEMATODES DITYLENCHUS TRIFORMIS AND DITYLENCHUS DIPSACI, AND HOST TISSUES.
R J Cole L R Krusberg
Exp Parasitol 21(2):232-239 REF
Oct 1967 436.8 EX7
Biochemistry, Cholest-7-en-3beta-ol, 5alpha-, Cholesterol, Chromatography, Ergosterol, Fungi, Plant nematodes, Pyrenochaeta terrestris, Sterols.
Abstract: Total sterol in D. triformis averaged 0.090 and in D. dipsaci 0.060 on a dry weight basis. Sterol esters averaged 480 of the total sterol in D. triformis and 580 in D. dipsaci.

19099-68
CONTOUR MAPS OF INFESTATION INCIDENCE USEFUL IN EPIZOOTIOLOGY OF SCREW-WORMS, COCHLIOMYIA HOMINIVORAX (COQUEREL).
R B Davis
Ecology 48(6):985-991,MAP,AUTUMN REF
1967 410 EC7
Ecology, Infestation, Injuries, Larvae, Livestock, Maps.

19100-68
VEINBANDING ON TOBACCO IN NORTH FLORIDA.
C E Dean F Clark
Plant Dis Rep 52(11):890-894 REF
Nov 1968 1.9 P69P
Plant injuries, Research, Virus diseases (plants), Virus y (potatoes).

19101-68
A COMPARISON OF PRATYLENCHUS SPP. (NEMATODA) - POPULATION DENSITIES IN GRASS AND APPLE ROOTS.
O A Egunjobi
Horticultural Abs 38(3):689
Sep 1968 241 IM74
Apples, Grasses, Nematodes, Population statistics, Pratylenchus, Roots.

19102-68
THE PATHOGENICITY OF DITYLENCHUS DIPSACI TO ALFALFA AND THE RELATIONSHIP OF TEMPERATURE TO PLANT INFECTION AND SUSCEPTIBILITY.
G D Griffin
Phytopathology 58(7):929-932 REF
Jul 1968 464.8 P56
Agricultural research, Alfalfa, Ditylenchus dipsaci, Plant anatomy, Plant nematodes, Plant pest resistance, Soil temperature.

19103-68
A METHOD FOR DETECTION AND STUDY OF THE SUGAR-BEET NEMATODE IN SOIL.
E J Hawn
Can Plant Dis Surv 47(3):81-82
Sep 1967 464.9 C16S
Heterodera schachtii, Soils, Sugar beets, Traps.

19104-68
HISTOPATHOLOGY OF RESISTANT REACTIONS IN PEA SEEDLINGS TO TWO POPULATIONS OF DITYLENCHUS DIPSACI. (ABSTRACT).
R S Hussey L R Krusberg
Phytopathology 58(7):885
Jul 1968 464.8 P56
Ditylenchus dipsaci, Histology, Nematodiasis, Peas, Plant diseases, Plant pest resistance, Seedlings.

19105-68
NEMATOLOGY DEPARTMENT.
F G W Jones
Rothamsted Exp Sta Rep 1967:141-162
1968 103 R74GA
Biochemistry, Biology, Chemical control (nematodes), Crops, Nematocides, Nematodes, Parasitism, Reports, Soils, Tables (data).

19106-68
RESPONSES TO POSTPLANTING AND PREPLANTING SOIL FUMIGATION IN CALIFORNIA PEACH, WALNUT, AND PRUNE ORCHARDS.
B F Lownsbery J T Mitchell W H Hart F M Charles M H Gerdts
Plant Dis Rep 52(11):890-894 REF
Nov 1968 1.9 P69P
Chemical control (nematodes), Nematodes, Orchidaceae, Peaches, Planting, Prunes, Soil fumigation, Walnuts.

19107-68
THE FUSARIUM ROOT ROT COMPLEX OF ZEA MAYS AS AFFECTED BY DIABROTICA LONGICORNIS, THE NORTHERN CORN ROOTWORM. (ABSTRACT).
L T Palmer T Kommedahl
Phytopathology 58(8):1062
Aug 1968 464.8 P56
Corn, Diabrotica longicornis, Fusarium, Nematodes, Plant protection, Root rot (corn), Roots.

19108-68
THE HOST-PARASITE RELATIONS AND ECOLOGY OF TRICHODORUS VIRULIFERUS ON APPLE ROOTS, AS OBSERVED FROM AN UNDERGROUND LABORATORY.
R S Pitcher
Horticultural Abs 38(3):689
Sep 1968 241 IM74
Apples, Ecology, Laboratories, Nematodes, Parasitism, Roots, Trichodorus viruliferus.

19109-68
LONGIDORUS RENEYII SP. NOV. (NEMATODA: LONGIDORIDAE) FROM.
R Raina
Indian J Entomol 28(4):438-441
Dec 1966 420 IN23
Corn, Longidoridae, Longidorus reneyii, Plant nematodes.

19110-68
CONTRIBUTION TO THE EVALUATION OF BIOLOGICAL ACTIVITY OF NEMATICIDES ON CYSTFORMING PLANT NEMATODES-LABORATORY METHODS. (CZ)
A Saly
Agrochemia 8(4):50-52
1968 385 AG88
Biology, Chemical control (pests), Cysts, Nematocides, Plant protection. English summary.

19111-68
ENZYME LOCALIZATION IN LEE SOYBEANS INFECTED WITH THE ROOT KNOT NEMATODE, MELOIDOGYNE INCOGNITA ACRITA. (ABSTRACT).
J A Veech B Y Endo
Phytopathology 58(8):1070
Aug 1968 464.8 P56
Enzymes, Meloidogyne incognita acrita, Nematodes, Plant translocation, Roots, Soybeans.

19112-68
BIOLOGY OF THE PSEUDO ROOT KNOT NEMATODE HYPSOPERINE OTTERSONI.
A J Webber K R Barker
Phytopathology 57(7):723-728 REF
Jul 1967 464.8 P56
Barley, Biology, Food plants, Hypsoperine ottersoni, Phalaris arundinacea, Plant nematodes, Soil temperature.

Abstract

19113-68
EFFECTS OF TEMPERATURE AND INCUBATION PERIOD ON THE EXPRESSION OF RESISTANCE TO STEM NEMATODE IN ALFALFA.
J C Wynne T H Busbice
Crop Sci 8(2):179-183
Mar 1968 64.8 C883
Alfalfa, Crop varieties, Ditylenchus dipsaci, Plant nematode resistance, Temperature, Time.

Abstract: At 10, 17, 24 days after inoculation, resistant cultivars contained fewer eggs and fewer nematodes per plant and showed less swelling at the cotyledonary node than susceptible cultivars. Nematodes penetrated resistant and susceptible plants in equal numbers; resistance resulted from the failure of nematodes to reproduce once they entered the plant. Best temperature for nematode reproduction was 19 C.

WEEDS

19114-68
SOME OBSERVATIONS ON TORDON-2,4-D HERBICIDE COMBINATIONS.
H P Alley
Down Earth 23(1,SUMMER):2,35
1967 381 D75
D, 2,4-, Delphinium geyeri, Gutierrezia sarothrae, Herbicides, Pesticide mixtures, Picloram.

19115-68
A PRELIMINARY ASSESSMENT OF HERBICIDES AND DEFOLIATION.
Anonymous
Environ Sci Technol 2(3):176-180
Mar 1968 T0D420.0A10E5
Defoliants, Dosage, Herbicides, Pesticide application, Time.

19116-68
NEW HERBICIDES CONTAINING NITROGEN. (CZ)
J A Baskakov
Agrochemia 8(1):18-20
1968 385 AG88
Chemical control (weeds), Crop yields, Herbicides, Nitrogen, Potatoes, Vegetables, Weeds.

19117-68
CONTROLLING WEEDS IN TOBACCO WITH BENEFIN.
A D Doyle
Agr Gaz New S Wales 79(8):456-459
Aug 1968 23 N472
Benefin, Biochemistry, Chemical control (weeds), Crop rotation, Crops, Economics, Herbicides, Pesticide application, Research, Spraying, Tillage, Tobacco.

19118-68
PARAQUAT-SURFACTANT COMBINATIONS FOR CONTROL OF DOWNEY BROME.
R A Evans R E Eckert
Weeds 13(2):150-151
Apr 1965 79.8 W41
Bromus tectorum, Chemical control (weeds), Herbicides, Paraquat, Surface-active agents.

19119-68
FUMIGATION OF SHALLOT SEED WITH METHYL BROMIDE TO CONTROL STEM EELWORM, DITYLENCHUS DIPSACI.
N G M Hague
Plant Pathol 17(3):127-128
Sep 1968 464.8 P692
Ditylenchus dipsaci, Fumigation, Methyl bromide, Plant pest control, Seeds, Shallots.

19120-68
THE NATURE, ECOLOGY, AND CONTROL OF CANADA THISTLE.
J M Hodgson
U S D A Tech Bull 1386:32 P. REF
Apr 1968 1 AG840TE
Biochemistry, Carbohydrates, Chemical control (weeds), Cirsium arvense, Crop rotation, Plant ecology, Roots, Seed germination, Tables (data), Tillage, Weeds.

19121-68
RECOMMENDATIONS FOR WEED CONTROL IN CEREAL CROPS.
B H Hyde-Wyatt
Tasmanian J Agr 39(3):245-250
Aug 1968 23 T182T
Crop yields, Grain, Herbicides, Research, Spraying equipment, Weed control, Weeds.

19122-68
WEED SEED LABELLING WITH RARE EARTH ELEMENTS. IN: ISOTOPES IN WEED RESEARCH; PROCEEDINGS OF A SYMPOSIUM VIENNA 25-29 OCTOBER 1965. S589. S9.
A Kloke K Riebartsch
165-171 INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Dysprosium, Europium, Herbicides, Isotopes, Lanthanum, Radioactive tracers, Rare earths, Seeds, Weeds.

Abstract

19123-68
AQUATIC HERBICIDAL METHODS. PATENT 3,376,127.
W C McConnell H W Rahn
Us Patent Office Offic Gaz 849(1):165
02 Apr 1968 156.65 OF2
Aquatic weeds, Azides, Chemical control (weeds), Herbicides, Patents, Potassium azide, Rice.

19124-68
POST-SURFACE CONTROL OF BERMUDAGRASS ON HIGHWAY SHOULDER PAVEMENTS.
W G McCully W J Bowmer R S Rodman
Down Earth 23(1, SUMMER):13-17
1967 381 D75
Chemical control (weeds), Cynodon dactylon, Herbicides, Pavements, Roads, Sodium trichloroacetate.

19125-68
CONTROL OF HAWAIIAN JUNGLE WITH AERIALLY APPLIED HERBICIDE.
P S Motooka D F Saiki D L Plucknett O R Younge R E Daehler
Down Earth 23(1, SUMMER):18-22
1967 381 D75
Aerial spraying, Chemical control (weeds), Dicamba, Esteron, Herbicides, Kuron, Paraquat, Pesticide residues, Picloram 101 mixture.

19126-68
SOME INTERESTING FUNGI OF INDIA.
T R Nag Raj K M Ponnappa
Commonwealth Inst Biol Contr Tech Bull 9:31-43
Oct 1967 423.92 C733T
Aquatic weeds, Biological control (weeds), Eichornia crassipes, Fungus diseases (plants), Surveys. Potential biological control agents of aquatic weeds.

Abstract

19127-68
CHEMICAL CONTROL OF AN OLD STAND OF CHAPARRAL TO INCREASE RANGE PRODUCTIVITY.
C A Perry C M McKell J R Goodini T M Little
J Range Manage 20(3):166-169
May 1967 60.18 J82
Adenostoma, Brush control, Ceanothus, Chaparral, Chemical control (weeds), Herbicides, Ranges, Spraying.

19128-68
STUDIES ON ERGOT OF WHEAT: CLAVICEPS PURPUREA (FR.) TUL. (FR
F Rapilly
Ann Epiphyt 19(2):305-329 REF
1968 464.9 F84AN
Claviceps purpurea, Correlation, Humidity, Morphology, Research, Seed germination, Wheat. English summary.

19129-68
EFFECT OF LITTER, INCORPORATED ORGANIC MATTER, SOIL TYPE, AND SELECTIVE HERBICIDES ON SEEDLINGS OF DOWNY BROME.
W C Robocker C L Canode
Weeds 13(1):8-10
Jan 1965 79.8 W41
Bromus tectorum, Chemical control (weeds), Herbicides, Seedlings, Soil series.

19130-68
DISTRIBUTION OF PLANT-PARASITIC NEMATODES ASSOCIATED WITH FOREST TREES OF THE WORLD. AQL391.0N40R8.
J L Ruehle
156P. REF NORTH CAROLINA, V. S. DEPT. OF AGRICULTURE
May 1967
Forests, Nematodes, Parasitism, Plants, Tables (data), Trees, World agricultural situation, Zoogeography.

19131-68
HERBICIDAL METHOD EMPLOYING TRIHALOTHIONOACETAMIDES. PATENT 3,389,985.
L R Smith A J Speziale
Us Patent Office Offic Gaz 851(4):1063
25 Jun 1968 156.65 OF2

Herbicides, Patents.

19132-68
CHEMICAL WEED CONTROL HANDBOOK. SB951.W32.
G Swan
198 P. WASHINGTON STATE UNIVERSITY
Apr 1968
Chemical control (weeds), Crops, Fruit, Herbicides, Pastures, Soils, Vegetables, Weeds.

19133-68
INVESTIGATIONS ON WEED CONTROL IN MAIZE BY HERBICIDES AND MECHANICAL CULTIVATION WITH SPECIAL EMPHASIS OF THEIR SUBSEQUENT ACTION IN THE ROTATION OF CROPS. FINAL TECHNICAL REPORT, 1962-1967. SB611.0S9.
B Swietochonski
54P. REF
1967
Biochemistry, Chemical control (weeds), Corn, Crop rotation, Herbicides, Reports, Research, Tables (data), Tillage

OTHER PESTS

19134-68
HELICOPTER APPLIES BIRD REPELLENT SEEDS.
Anonymous
Aerial Appl 5(11):12
Nov 1967 333.8 AE8
Aerial pest control, Bird control, Helicopters, Insect repellents, Pinus radiata, Seed treatment, Thiram.

19135-68
DAMAGE TO THE FLOWERS OF FRUIT TREES BY BIRDS.
G H L Dicker
Horticultural Abs 38(3):693
Sep 1968 241 IM74
Birds, Flowers, Fruit, Plant injuries.

19136-68
AVERTING STARLING DAMAGE IN VINEYARDS.
Z Horanszky
Horticultural Abs 38(3):694
Sep 1968 241 IM74
Grapes, Plant injuries, Starlings.

19137-68
LAND AND FRESHWATER SNAILS FROM THE GREENHOUSE OF THE BERLIN-DAHLEM BOTANICAL GARDENS. (GE)
S H Jaeckel H P Plate
Z Angew Zool 54(3):361-371
1967 449.8 Z36
Snails. English and German summaries

Abstract. 17 species were found, 12 of them land, 5 of them freshwater, 22 other. All species are to be examined.

19138-68
SCARING STARLINGS IN CHERRY AND VINE PLANTINGS.
E Keller
Horticultural Abs 38(3):694
Sep 1968 241 IM74
Cherries, Grapes, Plant injuries, Starlings.

19139-68
DROP OF MATURING APPLES ASSOCIATED WITH BIRD FEEDING.
L A Mitterling J J Lucas
Horticultural Abs 38(3):693-694
Sep 1968 241 IM74
Apples, Birds, Feeding, Plant injuries.

19140-68
THE PRESENT PROBLEM OF SMALL RODENTS. II. DAMAGE CAUSED BY VOLES AND METHODS OF PREVENTING THIS.
A Stenmark
Horticultural Abs 38(3):694
Sep 1968 241 IM74
Field mice, Plant injuries, Rodents.

LIVESTOCK PROTECTION

19141-68
EFFECT OF ENVIRONMENTAL CONDITIONS ON FORMATION AND RELEASE OF CANINE HERPESVIRUS IN INFECTED CANINE KIDNEY CELLS.
Laure Aurelian
Amer J Vet Res 29(10):1945-1952
Oct 1968 41.8 AM3A
Canine herpesvirus, Culture media, Dogs, Environment, Kidneys, Viruses.

19142-68
DINITROPHENOL DECREASES THE RADIATION SENSITIVITY OF L CELLS.
G V Dalrymple J L Sanders M L Baker
Nature 216(5116):708-709
18 Nov 1967 472 N21
Adenosine triphosphates, Biochemistry, Cattle, Cells, Dinitrophenol, 2,4-, Dosage, Radiation, Research, Serum, Toxicology.

19143-68
FIBRINOGEN CONTONT AND FIBRINOLYTIC ACTIVITY OF PLASMA FROM DOGS INFECTED WITH LEPTOSPIRA CANICOLA.
D R Finco D G Low
Amer J Vet Res 29(10):2037-2040 REF
Oct 1968 41.8 AM3A
Animal physiology, Blood plasma, Dogs, Fibrinogen, Injections, Leptospira canicola.

19144-68
STUDY OF PESTICIDES IN SHELLFISH AND ESTUARINE AREAS OF LOUISIANA. SH153.0S8.
R J Hammerstrom R T Russell R M Tyo E A Robertson J L Gaines
26 P. OHIO, U. S. PUBLIC HEALTH SERVICE
1967
Chemicals, Environment, Laboratories, Pesticides, Research, Shellfish, Water.

19145-68
ANTIBIOTICS, USE IN ANIMALS.
J K Kirk
Fed Regist 33(164):11908
22 Aug 1968 L1.451
Animals, Antibiotics, Drug therapy, Food, Medicine, Penicillin, Streptomycin.

19146-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE CALCIUM PERIODATE.
J K Kirk
Fed Regist 33(203):15457
17 Oct 1968 L1.451
Animals, Calcium, Drug therapy, Feed, Food additives, Iodine, Periodates, Sodium chloride.

19147-68
AQUATHOL-PLUS, A NEW HERBICIDE AND ITS ACTION ON FISH AND FISH FOOD ORGANISMS. (GE)
D Ludemann
Z Angew Zool 54(3):435-436
1967 449.8 Z36
Chironomidae, Fish, Fish conservation, Herbicides.

19148-68
PESTICIDE-INDUCED ENZYME BREAKDOWN OF STEROIDS IN BIRDS.
D B Peakall
Nature 216(5114):505
04 Nov 1968 472 N21
Biochemistry, Birds, Chromatography, Dieldrin, DDT, Enzymes, Metabolism, Pesticides, Pigeons, Population, Steroids.

19149-68
ORGANOCHLORINE RESIDUES IN MARINE ORGANISMS.
J Robinson A Richardson A N Crabtree J C Coulson G R Potts
Nature 214(5095):1307-1311 REF
24 Jun 1967 472 N21
Aquatic animals, Breeding, Chemicals, Environment, Insecticide residues, Marine biology, Organic compounds, Research, Tables (data).

19150-68
PRODUCTION OF PLANT VIRUS ANTISERUM IN A HORSE.
Z Sabar T A Shalla
Plant Dis Rep 52(11):860-862
Nov 1968 1.9 P69P
Blood serum, Horses, Immunization, Injections, Mosaic (tobacco), Research.

DISEASES

19151-68
NONSPECIFICITY OF FLUORESCENT-ANTIBODY TEST FOR DISTINGUISHING HOG CHOLERA VIRUS STRAINS.
J M Aiken K H Hoopes M B Rhodes M J Twiehaus
Amer Vet Med Ass J 150(1):59-61 REF
01 Jan 1967 41.8 AM3
Fluorescent antibody technic, Hog cholera virus, Swine.

Abstract: Fluorescein-labeled immune globulins were prepared for 6 strains of attenuated and 2 strains of virulent hog cholera virus and cross-tested against each of the 8 strains using the Nebraska fluorescent-antibody technic. Heterologous strains could not be distinguished from homologous strains. Distribution of positive cells in tonsils from pigs infected with virulent HC virus was distinctly different from that found in tonsils of pigs infected with attenuated HC virus.

19152-68
TECHNICS FOR THE ISOLATION OF MYCOPLASMA FROM CATTLE.
J M Al-aubaidi J Fahricant
Cornell Vet 58(4):555-571 REF
Oct 1968 41.8 C81
Body fluids, Cattle, Culture media, Methodology, Mycoplasma.

19153-68
THE BLOOD PRESSURE IN CANINE INTERSTITIAL NEPHRITES.
L J Anderson E W Fisher
Res Vet Sci 9(4):304-313 REF
Jul 1968 41.8 R312
Animal diseases, Animal histology, Arteries, Biochemistry, Blood pressure, Dogs, Hypertension, Measurement, Nephritis, Serological tests.

19154-68
INTERSTATE TRANSPORTATION OF ANIMALS AND POULTRY, DUCK VIRUS ENTERITIS (DUCK PLAGUE). INTERSTATE MOVEMENT.
R J Anderson
Fed Regist 33(164):11899
22 Aug 1968 L1.451
Animal quarantine, Aquatic birds, Ducks, Enteritis, Virus diseases (animals), Zoogeography.

19155-68
VIRUSES, SERUMS, TOXINS, AND ANALOGOUS PRODUCTS. LABELS.
R J Anderson
Fed Regist 33(163):11837-11839
21 Aug 1968 L1.451
Animals, Labeling, Meat, Toxins, Viruses.

19156-68
MOLDY CORN POISONING AS THE MAJOR CAUSE OF AN ENCEPHALOMALACIA SYNDROME IN EGYPTIAN EQUIDAE.

L Badiali M Abou-youssef A I Radwan F M Hamdy P K Hildebrandt
Amer J Vet Res 29(10):2029-2035 REF
Oct 1968 41.8 AM3A
Asses, Corn, Encephalomalacia, Epizootic diseases, Leukocytes, Livestock diseases, Molds.

19157-68
CHANGES OF THE VIRULENT PROPERTIES OF SALMONELLA IN INTRACELLULAR MULTIPLICATION IN VITRO. (RUS)
V M Bondarenko
Zhur Mikrobiol Epidemiol Immunobiol 1(0):130-135 REF
1968 448.3 Z4
Biochemistry, Culture media, Cytology, Dosage, Mice, Salmonella, Serological tests, Virulence. Summary in English

19158-68
SPECIFIC INTERFERENCE AMONG STRAINS OF NEWCASTLE DISEASE VIRUS. II. COMPARISON OF INTERFERENCE BY ACTIVE AND INACTIVE VIRUS.
M A Bratt H Rubin
Virology 35(3):381-394 REF
Jul 1968 448.8 V81
Assay, Cells, Chick embryos, Hemagglutination, Interference phenomenon, Kinetics, Newcastle disease virus, Research, Temperature, Time, Tissue culture, Ultraviolet rays, Virus diseases (animals).

19159-68
SPECIFIC INTERFERENCE AMONG STRAINS OF NEWCASTLE DISEASE VIRUS. III. MECHANISMS OF INTERFERENCE.
M A Bratt H Rubin
Virology 35(3):395-407 REF
Jul 1968 448.8 V81
Adsorption, Antibodies, Assay, Cells, Chick embryos, Interference phenomenon, Newcastle disease virus, Research, Temperature, Tissue culture, Virus diseases (animals).

19160-68
EXAMINATION OF CUCUMBER SEED FOR MYCOSPHAERELLA MELONIS.
M E Brown T F Preece
Plant Pathol 17(3):116-118
Sep 1968 464.8 P692
Agricultural research, Cucumbers, Fungus diseases (plants), Injections, Mycosphaerella melonis, Seedborne plant diseases, Seeds.

19161-68
TOBACCO STREAK VIRUS IN DAHLIAS.
A A Brunt
Plant Pathol 17(3):119-122 REF
Sep 1968 464.8 P692
Chenopodium amaranticolor, Chenopodium murale, Chenopodium quinoa, Dahlia, Research, Streak (tobacco), Tobacco, Virus diseases (plants), Viruses.

19162-68
ALEUTIAN DISEASE GAMMOPATHY OF MINK INDUCED WITH AN ULTRAFILTRABLE AGENT.
L Buko A J Kenyon
Nature 216(5110):69-70 REF
07 Oct 1967 472 N21
Aleutian disease, Animal diseases, Biochemistry, Filters, Minks, Research.

19163-68
A PRELIMINARY REPORT ON THE FINDING OF BESNOITIA BESNOITI IN GOAT SKINS AFFECTED WITH DIMPLE IN KENYA.
O Bwangamoi
Bull Epizoot Dis Afr 15(3):263-271
Sep 1967 41.8 B872
Goats, Protozoa, Skin diseases.
Abstract: Examination revealed: demodicosis, ringworm caused by Trichophyton speciis, scurf, streptothricosis, goatpox, besnoitia cysts within lesions of dimple, lice, sarcocystosis, and acute and chronic dermatitis of undetermined aetiology.

19164-68
TRYPTOPHAN-INDUCED INTERSTITIAL PULMONARY EMPHYSEMA IN CATTLE.
J R Carlson I A Dyer R J Johnson
Amer J Vet Res 29(10):1983-1989 REF
Oct 1968 41.8 AM3A
Animal metabolism, Blood plasma, Cattle, Pulmonary emphysema, Rumen, Tryptophan.

19165-68
CHARACTERISTICS OF A NEWLY-RECOGNIZED SPECIES OF BRUCELLA RESPONSIBLE FOR INFECTIOUS CANINE ABORTIONS.
L E Carmichael D W Bruner
Cornell Vet 58(4):579-592 REF
Oct 1968 41.8 C81
Brucella canis, Chromatography, Dogs, Pregnancy, Research, Taxonomy.

19166-68
EFFECT OF IMMUNIZATION ON SERUM PROTEIN LEVELS IN THE HORSE.
J R Coffman C M Hibbs
Cornell Vet 58(4):572-578
Oct 1968 41.8 C81
Beta globulins, Blood proteins, Gamma globulins, Horses, Immunization, Livestock diseases, Pest control, Salmonella typhimurium.

19167-68
STUDIES WITH HINDE ATTENUATED AFRICAN SWINE FEVER VIRUS.
L Coggins J E Moulton G S Colgrove
Cornell Vet 58(4):525-540 REF
Oct 1968 41.8 C81
African swine fever virus, Agricultural research, Antibodies, Edema, Immunization, Livestock diseases, Necrosis, Swine.

19168-68
SOME VETERINARY AND HUMAN ASPECTS OF HISTOPLASMOSIS.
L L Cooper
Kansas Vet 24(3):11-13
May 1968 41.9 K1330B
Animal diseases, Histoplasma capsulatum, Histoplasmosis, Human diseases, Microscopy, Research, Veterinary medicine.

19169-68
EFFECT OF CONTINUOUS FEEDING OF AFLATOXIN TO CHICKENS.
G J Cottier Ch Moore U L Diener N D Davis
Highlights 15(3):7 FALL
1968 100 AL1H
Aflatoxin, Animal nutrition, Chickens, Eggs, Feeding, Laboratory animals, Mortality, Research.

19170-68
OBSERVATIONS ON INCLUSION BODIES IN PIG KIDNEY TISSUE CULTURE CELLS INFECTED WITH PORCINE ADENOVIRUSES.
J B Derbyshire R L Chandler K Smith
Res Vet Sci 9(4):300-303 REF
Jul 1968 41.8 R312
Adenoviruses, Cells, Cytology, Electron microscopy, Inclusion bodies, Kidneys, Research, Serological tests, Swine, Tissue culture.

19171-68
TOXICITY STUDIES OF LISTERIA MONOCYTOGENES GROWN IN VIVO.
R A DiCapua J W Osebold K R Stone
Amer J Vet Res 29(10):2023-2028 REF
Oct 1968 41.8 AM3A
Bacteria, Culture media, Dialysis, Listeria monocytogenes, Livestock diseases, Mice, Toxicology.

19172-68
IMMUNIZATION AGAINST EQUINE VIRAL ARTERITIS USING MODIFIED LIVE VIRUS PROPAGATED IN CELL CULTURES OF RABBIT KIDNEY.
E R Doll J T Bryans J C Wilson W H McCollum
Cornell Vet 58(4):497-524
Oct 1968 41.8 C81
Cells, Culture media, Horses, Immunization, Kidneys, Livestock diseases, Rabbits, Viral vaccines.

19173-68
CARBON-14 MILK CONSTITUENTS FROM COWS FED CARBAMATE LABELED WITH CARBON-14 ON THE CARBONYL.
H W Dorough G W Ivie
Science 159(3816):732-733
16 Feb 1968 470 SCI2
Animal physiology, Biological assay, Carbamates, Carbon, Carbonyl group, Cattle, Isotopes, Pesticides.

19174-68
PROTEINS OF ROUS SARCOMA VIRUS.
P H Duesberg H L Robinson W S Robinson R J Huebner H C Turner
Virology 36(1):73-86 REF
Sep 1968 448.8 V81
Amino acids, Antigens, Avian leukosis complex viruses, Avian myeloblastosis virus, Electrophoresis, Phenols, Proteins, Radioactivity, Rous associated viruses, Rous sarcoma virus, Virus diseases (animals).

19175-68
METHOD OF AMELIORATING THE EFFECTS OF AND PREVENTING INFLUENZA INFECTIONS. PATENT 3,376,196.
G L Dunn
Us Patent Office Offic Gaz 849(1):178
02 Apr 1968 156.65 OF2
Drugs, Influenza, Methylcyclohexanemethylamine, alpha-, Mice, Patents, Virucides.

19176-68
LEPTOSPIRA ANTIBODY FORMATION BY PORCINE FOETUSES.
K L Fennestad C Borg-Petersen E Brummerstedt
Res Vet Sci 9(4):378-380
Jul 1968 41.8 R312
Antibodies, Assay, Culture media, Electrophoresis, Fetal death, Globulins, Immunology, Injections, Leptospira, Livestock diseases, Pregnancy, Serological tests, Swine.

19177-68
BOVINE KERATITIS DUE TO AVITAMINOSIS A IN YOUNG STOCK.
N Firon
Refuah Vet 24(2):90-89
Jun 1967 41.8 R25
Animal nutrition, Avitaminosis, Cattle, Deficiency diseases, Diet, Keratitis, Vitamin a.

19178-68
NATURE OF SCRAPIE AGENT.
R A Gibbons G D Hunter
Nature 215(5105):1041-1043 REF
02 Sep 1967 472 N21
Animal diseases, Drug therapy, Nucleic acids, Proteins, Reproduction, Research, Scrapie, Viruses.

19179-68
ABNORMALITIES IN THE ELECTROCARDIOGRAMS OF YOUNG SHEEP AND LAMBS GRAZING NATURAL PASTURES LOW IN SELENIUM.
K O Godwin
Nature 217(5135):1275
30 Mar 1968 472 N21
Agricultural research, Animal abnormalities, Deficiency diseases, Electrocardiograms, Hepatoma, Muscular dystrophy, Necrosis, Selenium, Sheep, White muscle disease.

19180-68
INHIBITION OF MULTIPLICATION OF FOOT AND MOUTH DISEASE VIRUS IN ADULT MICE PRETREATED WITH FREUND'S COMPLETE ADJUVANT.
D S Gorhe
Nature 216(5121):1242-1244 REF
23 Dec 1967 472 N21

Animal diseases, Blood, Bordetella pertussis, Foot-and-mouth disease virus, Mice, Mycobacterium tuberculosis.

19181-68
THE ISOLATION OF T-STRAINS OF MYCOPLASMA FROM PNEUMONIC CALF LUNGS.
R N Gourlay
Res Vet Sci 9(4):376-378
Jul 1968 41.8 R312
Cattle, Culture media, Livestock diseases, Lungs, Mycoplasmosis, Pneumonia, Research.

19182-68
ENVIRONMENTAL SCIENCE RESEARCH. SB959.0G8.
55 P.
17 Aug 1967
Animal physiology, Chemicals, Environment, Research, Science.

19183-68
THE CATTLE PEST. SF966.0J3. (fr)
H Jacotot Mornet
174P. REF
1967
Anatomy, Cattle, Livestock diseases, Therapeutics, Virology, Virus diseases (animals).

19184-68
FISH: SEROLOGIC EVIDENCE OF INFECTION WITH HUMAN PATHOGENS.
W A Janssen C D Meyers
Science 159(3814):547-548
02 Feb 1968 470 SCI2
Animal diseases, Antibodies, Fish, Human diseases, Serological tests.

19185-68
IDENTITY OF FELINE ATAXIA VIRUS WITH FELINE PANLGUCOPENIA VIRUS.
R H Johnson G Margolis L Kilham
Nature 214(5084):174-177 REF
08 Apr 1967 472 N21
Animal diseases, Cats, Feline infectious enteritis, Microbiology, Research.

19186-68
INVESTIGATIONS ON TRICHINELLOSIS WITH SPECIAL REFERENCE TO EPIDEMIOLOGY, IMMUNODIAGNOSIS, HOST-PARASITE RELATIONSHIPS, CLINICAL AND THERAPEUTIC ASPECTS. FINAL REPORT. RC186.T815K6.
Z Kozar
49 P.
15 Aug 1967
Diagnosis, Epidemiology, Epizootic diseases, Immunology, Parasitism, Reports, Research, Therapeutics, Trichinosis.

19187-68
THE AFRICAN SWINE PEST. SF977.0A40L8. (fr)
A Lucas J Haag B Larenaudie
119P. REF
1967
Anatomy, Diagnosis, Hog cholera, Livestock diseases, Swine, Therapeutics.

19188-68
VASOPRESSINS AND THE INCREASE OF WATER AND ELECTROLYTE EXCRETION BY SHEEP, CATTLE, AND CAMELS.
W V Macfarlane R Kinne C M Walmsley B D Siebert D Peter
Nature 214(5092):979-981 REF
03 Jun 1967 472 N21
Arginine, Camels, Cattle, Kidneys, Lysine, Potassium, Sheep, Vasopressin.

19189-68
CAUDAL WEAKNESS AND ATAXIA IN CATTLE IN THE CARIBBEAN AREA FOLLOWING INGESTION OF CYCADS.
M M Mason M G Whiting
Cornell Vet 58(4):541-554 REF MAP
Oct 1968 41.8 C81
Ataxia, Cattle, Livestock diseases, Spinal cord.

19190-68
INFLUENZA IN ANIMALS.
J L McQueen J H Steele R Q Robinson
Advances Vet Sci 12:239-284 REF
1968 41.8 AD9
Influenza, Livestock diseases, Reviews. Bibliography, p.322-336

19191-68
PORCINE POLIOENCEPHALOMYELITIDES.
J H L Mills S W Nielsen
Advances Vet Sci 12:33-104 REF
1968 41.8 AD9
Porcine enteroviruses, Reviews, Swine, Teschen disease. Bibliography, p.84-104

19192-68
FOLLOW-UP OF A SURVEY ON THE PREVALENCE OF HOMIDIUM-RESISTANT STRAINS OF TRYPANOSOMES IN CATTLE IN NORTHERN NIGERIA AND DRUG CROSS-RESISTANCE TESTS ON THE STRAINS WITH SAMORIN AND BERENIL.
B K Na'Isa
Bull Epizoot Dis Afr 15(3):231-241,MAP
Sep 1967 41.8 B872
Berenil, Cattle, Glossina, Insecticide resistant insects, Trypanosoma congolense, Trypanosomiasis.

19193-68
THE FINE STRUCTURE OF VESICULAR STOMATITIS VIRUS.
T Nakai A F Howatson
Virology 35(2):268-281 REF
Jun 1968 448.8 V81
Electron microscopy, Molecular weight, Nucleic acids, Nucleoproteins, Research, Ribonucleic acid, Vesicular stomatitis virus, Virus diseases (animals).

19194-68
KINETICS OF CELLULAR AND VIRAL DNA SYNTHESIS IN EQUINE ABORTION (HERPES) VIRUS INFECTION OF L-M CELLS.
D J O'Callaghan N P Cheevers G A Gentry C C Randall
Virology 36(1):104-114 REF
Sep 1968 448.8 V81
Abortion, Cells, Centrifugation, Chromatography, Culture media, Deoxyribonucleic acid, Dna viruses, Herpesviruses, Kinetics, Research, Virus diseases (animals).

19195-68
NEOPLASMS OF THE CANINE AND FELINE URINARY BLADDER: INCIDENCE, ETIOLOGIC FACTORS, OCCURRENCE AND PATHOLOGIC FEATURES.
C A Osborne D G Low V Perman D M Barnes
Amer J Vet Res 29(10):2041-2055 REF
Oct 1968 41.8 AM3A
Animal diseases, Bladder, Carcinoma, Cats, Dogs, Neoplasms, Papilloma.

19196-68
INFECTIOUS BOVINE RHINOTRACAGITIS: CORRELATION OF FETAL AND PLACENTAL LESIONS WITH VIRAL ISOLATIONS.
N V Owen T L Chow J A Molello
Amer J Vet Res 29(10):1959-1965
Oct 1968 41.8 AM3A
Cattle, Embryos, Infectious bovine rhinotracheitis virus, Kidneys, Placenta.

19197-68
INFECTIOUS BOVINE RHINOTRACHEITIS RELATIONSHIP OF LEVEL OF MATERNAL ANTIBODY TITER TO INCIDENCE OF FETAL DEATH AND ABORTION.
N V Owen T L Chow J A Molello
Amer J Vet Res 29(10):1967-1970
Oct 1968 41.8 AM3A
Abortion, Antibodies, Cattle, Fetal death, Infectious bovine rhinotracheitis virus, Livestock diseases, Pregnancy.

19198-68
THE CHEDIAK-HIGASHI SYNDROME.
G A Padgett
Advances Vet Sci 12:239-284 REF
1968 41.8 AD9
Cattle, Chediak-Steinbrinck-Higashi syndrome, Hereditary diseases, Humans, Infectious diseases, Livestock diseases, Minks, Reviews. Bibliography, p.278-284

19199-68
AN ELECTROPHORETIC STUDY OF SERUM GLYCOPROTEINS IN CLINICAL JOHNE'S DISEASE OF CATTLE.
D S P Patterson D Sweasey
Res Vet Sci 9(4):319-323
Jul 1968 41.8 R312
Assay, Carbohydrates, Cattle, Diagnosis, Electrophoresis, Globulins, Glycoproteins, Hexoses, Johne's disease, Livestock diseases, Research, Serum, Tissues.

19200-68
KERATOCONTUNCTIVITIS PRODUCED BY MORAXELLA BOVIS IN LABORATORY ANIMALS.
G W Pugh D E Hughes T J McDonald
Amer J Vet Res 29(10):2057-2061 REF
Oct 1968 41.8 AM3A
Animal diseases, Conjunctivitis, Eyes, Keratitis, Keratoconjunctivitis, Laboratory animals, Moraxella bovis. Laboratory animals were: sheep, rabbits, rats, guinea pigs, and mice

19201-68
THE PHYSIOPATHOLOGY OF UNDERNOURISHMENT IN PREGNANT SHEEP, WITH PARTICULAR REFERENCE TO PREGNANCY TOXEMIA.
R L Reid
Advances Vet Sci 12:163-238 REF
1968 41.8 AD9
Animal physiology, Deficiency diseases, Pregnancy disease, Reviews, Sheep. Bibliography, p.226-238

19202-68
THE HEMOSTATIC MECHANISM OF MAMMALS AND BIRDS IN HEALTH AND DISEASE.
H C Rowsell
Advances Vet Sci 12:337-410 REF
1968 41.8 AD9
Animal diseases, Birds, Hemostasis, Mammals, Reviews. Bibliography, p.397-410

19203-68
DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS AREAS, PUBLIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS AND SLAUGHTERING ESTABLISHMENTS. MODIFIED CERTIFIED BRUCELLOSIS AREAS.
E E Saulmon
Fed Regist 33(192):14700
02 Oct 1968 L1.451
Brucellosis, Livestock diseases, Slaughterhouses, Stockyards.

19204-68
FREE AMINO-ACIDS OF BLOOD PLASMA AND ERYTHROCYTES OF NORMAL DUCKS AND DUCKS INFECTED WITH MALARIAL PARASITE, PLASMODIUM LOPHURAE.
W A Siddiqui W Trager
Nature 214(5092):1046-1047
03 Jun 1967 472 N21
Amino acids, Avian malaria, Blood plasma, Ducks, Erythrocytes, Parasitism, Plasmodium lophurae.

19205-68
BEDSONIA ABORTION OF SHEEP. III. IMMUNOLOGICAL STUDIES.
M J Studdert D G Mckercher
Res Vet Sci 9(4):331-336 REF
Jul 1968 41.8 R312
Abortion, Antibodies, Antigens, Bedsonia virus, Dosage, Immunity, Immunology, Research, Sheep, Vaccines, Virus diseases (animals).

19206-68
IMMUNOLOGIC STUDIES ON THREE RAM EPIDIDYMITIS BACTERINS.
B L Swift L R Maki
Cornell Vet 58(4):659-665 REF
Oct 1968 41.8 C81
Bacterins, Epididymis, Immunization, Livestock diseases, Rams.

19207-68
COMPOSITIONS AND METHODS FOR MODIFYING LING COCCIDIOSIS IN POULTRY. PATENT 3,382,148.
H Thommen
Us Patent Office Offic Gaz 850(1):241
07 May 1968 156.65 OF2
Coccidiosis, Patents, Poultry, Sulfanilamido-2,6-dimethoxypyrimidine, 4-.

19208-68
IMMUNOLOGICAL STRAIN DIFFERENCES OF BOVINE TICK-BORNE FEVER AGENTS.
J Tuomi
Acta Virol 12(1):83-86
Jan 1968 448.3 AC85
Cattle, Immunology, Ixodes ricinus, Piroplasmosis, Sheep.

19209-68
DETECTION OF OR ORNITHOSIS IN THE WESTERN URALS. GOROVITZ, E S. (rus)
V P Vtyurin
Zhur Mikrobiol Epidemiol Immunobiol 1(0):140-141
1968 448.3 Z4
Birds, Ornithosis, Virus diseases (animals).

19210-68
A STUDY OF THE HETEROGENEOUS 37S RIBONUCLEIC ACID INDUCED BY FOOT-AND-MOUTH-DISEASE VIRUS.
T F Wild S J Martin F Brown
Biochem J 107(3):395-401 REF
Apr 1968 382 B52
Biochemistry, Hamsters, Kidneys, Ribonucleic acid, Tissue culture.

Abstract: 1. The 37s RNA induced in baby-hamster kidney cells by infection with foot-and-mouth-disease virus was examined on sucrose gradients and by filtration through Sepharose 4B. 2. The RNA sedimented faster (37s) and as a broader band than the 35s RNA from purified virus. 3. Treatment with deoxyribonuclease, Pronase or amylase did not alter the sedimentation profile of the 37s RNA. 4. Treatment of individual fractions of the RNA with phenol, dimethyl sulphoxide or methylCellosolve did not decrease the sedimentation rate of the faster-sedimenting molecules. 5. Sedimentation in sucrose gradients of different ionic strengths or containing EDTA had no effect on the heterogeneous nature of the profile. 6. On filtration through Sepharose 4B columns, the 37s virus-induced RNA was eluted before viral RNA. 7. Only 20 percent of the rapidly sedimenting RNA was incorporated into complete virus particles.

19211-68
EXPERIMENTAL HERPES VIRUS INFECTION IN YOUNG PUPPIES.
N G Wright H J C Cornwell
Res Vet Sci 9(4):295-299
Jul 1968 41.8 R312
Animal histology, Antigens, Dogs, Herpesviruses, Inclusion bodies, Injections, Laboratory animals, Mortality, Research, Virus diseases (animals).

19212-68
FIELD VECTOR STUDIES OF EPIZOOTIC EAST COAST FEVER. IV. THE OCCURRENCE OF R. EVERTSI, R. PRAVUS, R. SIMUS AND R. SANGUINEUS IN THE EAST COAST FEVER ZONES.
G A Yeoman
Bull Epizoot Dis Afr 15(3):189-212,MAP REF
Sep 1967 41.8 B872
Epizootic diseases, Insect vectors, Rhipicephalus appendiculatus, Rhipicephalus sanguineus, Rhipicephalus simus, Theileria parva.

Abstract: R.appendiculatus has been assumed the main vector in relationship to T.parva infection. at present testing field evidence to see whether there is any indication that R.evertsi,R.pravus,R.simus,R.sangu ineus may play part in spread of epizootic E.C.F.

ARTHROPODS

19213-68
THE EFFECT OF DIPPING ON TICK INFESTATION IN YOUNG LAMBS.
W N M Foster
Vet Rec 82(12):348-351
23 Mar 1968 41.8 V641
Ixodes ricinus, Lambs, Rickettsial diseases, Sheep-dip.

Abstract: Dipping prior to exposure reduced but did not eliminate ticks. It may reduce severity of tick-borne fever.

19214-68
RESIDUAL EFFECT OF A SINGLE BATHING OF ASUNTOL 500 (R) IN SHEEP PSOROPTIC SCABIES. (SP)
H Gonzalez J Plaza H Alcaino i Tagle
Bol Chileno Parasitol 22(2):50-52
Apr 1967 436.9 C43
Chemical control (insects), Coumaphos, Psoroptes ovis, Scabies, Sheep, Sheep-dip. English and spanish abstracts

A single dip in 50 percent Asuntol (coumaphos was. ineffective against Psorptes ovis.

19215-68
A TICK NEW TO IRELAND- IXODES (EXOPALPIGER) TRIANGULICEPS BIRULA, 1895.
R J C Page
Entomol Mon Mag 103(1235-37):120-122
Apr 1967 421 EN86
Environment, Insect identification, Insect taxonomy, Ixodes trianguliceps, Mammals, Research, Traps.

19216-68
ARTIFICIAL FEEDING TECHNIQUE FOR RHIPICEPHALUS APPENDICULATUS AND THE TRANSMISSION OF THEILERIA PARVA FROM THE SALIVARY SECRETION.
R E Purnell L P Joyner
Nature 216(5114):484-485
04 Nov 1968 472 N21
Animal diseases, Blood, Cattle, Feeding, Injections, Insect vectors, Laboratory animals, Research, Rhipicephalus appendiculatus, Salivary glands (insects), Secretion, Theileria parva.

19217-68
THE PARASITES OF BRITISH BIRDS AND MAMMALS. XL. ECTOPARASITES OF DEER IN BRITAIN.
G B Thompson
Entomol Mon Mag (SER.4)99(284-286):186-189 REF
Aug 1963 421 EN86
Birds, Deer, Insect behavior, Mammals, Parasitism.

19218-68
BRAHMAN BREEDING AS A FACTOR AFFECTING THE ATTRACTIVENESS OR REPELLENCY OF CATTLE TO THE HORN FLY, HAEMATOBIA IRRITANS (L.).
N P Tugwell
Amer Zool 28(1):2258
Jul 1967 410 AM3
Aberdeen Angus cattle, Attractants, Brahman cattle, Cattle, Haematobia irritans, Insect behavior, Insect repellents, Theses.

19219-68
REPORT OF THE FIRST MEETING OF THE FAO COMMITTEE ON THE CONTROL OF SUNN PESTS OF CEREALS. MEETING, APRIL 6-11, 1963. TEHERAN, IRAN. SB608.G6F6.
17 P. REF
Jul 1963
Biological control (insects), Chemical control (insects), Crop losses, Cultural control (insects), Discussion groups, Economics, Grain, Insect pests, Plant injuries, Reports, Research.

PARASITES

19220-68
DEVELOPMENT AND SURVIVAL ON PASTURE OF GASTROINTESTINAL NEMATODE PARASITES OF CATTLE.
A Goldberg
J Parasitol 54(5):856-862
Oct 1968 448.8 J824
Cattle, Cooperia, Gastrointestinal system, Larvae, Morphology, Nematodes, Oesophagostomum, Parasitism.

19221-68
PORCINE STRONGYLOIDOSIS TREATMENT AND CONTROL.
D J Moncol E G Batte
Amer Vet Med Ass J 151(9):1177-1181 REF
01 Nov 1967 41.8 AM3
Anthelmintics, Baby pigs, Feed additives, Strongyloides ransomi, Strongyloidiasis, Thiazolyl)-benzimidizole, 2-(4-.

Abstract: Thiabendazole was tested in pigs. Consumed in feed at a rate of 22 mg./kg. or more, 99 percent of existing intestinal strongyloides were eliminated. Young suckling pigs required a thiabendazole intake of 75 mg./kg. or more to reduce the worm egg count and worm burden to an insignificant level. Complete removal was not achieved; and based on field data, reinfection was quickly established, lending support to the need for supplemental medication.

19222-68
THE TAENIACIDAL ACTION OF DICHLOROPHEN IN POULTRY.
N C Panda
Vet Rec 81(14):342-343 REF
30 Sep 1967 41.8 V641
Dichlorophen, Leghorn chickens, Poultry, Taeniasis.

19223-68
EXPERIMENTAL INFECTIONS OF CALVES WITH TRICHOSTRONGYLUS AXEI: OBSERVATIONS ON LETHAL INFECTIONS.
J G Ross A Purcell C Dow J R Todd
Res Vet Sci 9(4):314-318
Jul 1968 41.8 R312
Animal histology, Cattle, Diarrhea, Dosage, Helminthiasis, Hydrogen-ion concentration, Larvae, Lethal factor, Microscopy, Nematodes, Pepsinogen, Trichostrongylus axei.

19224-68
BURSAL BOSSES AS A DIAGNOSTIC CHARACTER IN NEMATODIRUS OF DOMESTIC SHEEP, OVIS ARIES, IN THE UNITED STATES.
F Stringfellow
J Parasitol 54(4):891-895
Oct 1968 448.8 J824
Assay, Diagnosis, Nematodirus, Parasitism, Research, Sheep, Taxonomy.

19225-68
CARBOPHENOTHION AS A SHEEP DIP FOR THE CONTROL OF BLOWFLY, LICE AND KEDS.
P J Treehy
Vet Rec 81(14):332-335
30 Sep 1967 41.8 V641
Anoplura, Calliphoridae, Carbophenothion, Sheep-dip.

19226-68
INTESTINAL HELMINTHIASIS IN DOGS FROM MONTERREY, N. L., MEXICO. (SP)
J Vargas-Mena M C de Brondo
Bol Chileno Parasitol 22(2):53-55 REF

Apr 1967 436.9 C43
Dogs, Helminthiasis, Surveys. English and spanish abstracts

Abstract: Of 200 dogs none harhour Echinococcus granulosus; but all were parasited by one or more of the following: Ancylostoma caninum, Dipylidium caninum, Taenia taeniaeformis, T. pisiformis, Mesocestoides variabilis and Oncicola canis. Data and intensity of the infections is given. Two teratologic types are reported: triedric T.taeniaeformis and fenestrated T. pisiformis.

COMMODITY PROTECTION

19227-68
OCCURRENCE OF GIBBIUM PSYLLOIDES DE CZEN. (COL., PTINIDAE) IN SHIPS' HOLDS.
E T Hurlock
Entomol Mon Mog (SER.4)96(262): 129-130
Jun 1960 421 EN86
Freight, Gibbium psylloides, Insect pests, Ships.

STORAGE DISEASES

19228-68
METHOD FOR CONTROLLING APPLE SCALD. PATENT 3,376,142.
H F Gooncwardene
Us Potent Office Offic Goz 849(1):168
02 Apr 1968 156.65 OF2
Apples, Patents, Scald (apples), Storage diseases.

19229-68
THE INCIDENCE OF CROWN ROT OF BOXED BANANAS IN RELATION TO MICROBIAL POPULATIONS OF THE CROWN TISSUE.
F L Lukezic W J Kaiser M M Martinez
Con J Bot 45(4):413-421
Apr 1967 470 C16C
Bacterial diseases (plants), Botryodiplodia theobromae, Cephalosporium, Crown rot (bananas), Drosophila, Fungus diseases (plants), Fusarium, Gloeosporium musarum, Microorganisms, Storage diseases, Verticillium theobromae.

19230-68
A PATHOLOGICAL PROBLEM ASSOCIATED WITH PRE-PACKAGING OF POTATO TUBERS.
J Scholey C Marshall R Whitbread
Plant Pathol 17(3):135-139
Sep 1968 464.8 P692
Bags, Erwinia carotovora, Food packing, Food spoilage, Potatoes, Styrene polymers.

ARTHROPODS

19231-68
SITE OF DAMAGE TO WHOLE WHEAT GRAINS BY FIVE SPECIES OF STORED-PRODUCTS BEETLE.
G Surtees
Entomol Mon Mog (SER.4)99(284-286):178-181
Aug 1963 421 EN86
Coleoptera, Grain, Insect behavior, Plant injuries, Storage, Wheat.

ENVIRONMENTAL CONTAMINATION

19232-68
SYMPOSIUM ON TRENDS IN AIR POLLUTION DAMAGE TO PLANTS (INVITATIONAL PAPERS).
Phytopathology 58(8):1075-1113
Aug 1968 464.8 P56
Air pollution, Plant injuries, Reports, Symposia. Including intoductory remarks by E. F. Darley.

19233-68
DISEASES OF CROPS AND ORNAMENTAL PLANTS INCITED BY AIR POLLUTANTS.
H E Heggestad
Phytopathology 58(8):1089-1097 REF
Aug 1968 464.8 P56
Air pollution, Field crops, Ornamental plants, Plant diseases.

19234-68
DISEASES OF FOREST AND TREE CROPS CAUSED BY AIR POLLUTANTS.
G H Hepting
Phytopathology 58(8):1098-1102
Aug 1968 464.8 P56
Air pollution, Forests, Plant diseases, Trees.

19235-68
THE INFLUENCE OF ATMOSPHERIC DISPERSION ON THE EXPOSURE OF PLANTS TO AIRBORNE POLLUTANTS.
M E Smith
Phytopathology 58(8):1085-1088
Aug 1968 464.8 P56
Air pollution, Atmosphere, Exposure, Particle size determination, Plant injuries.

19236-68
THE IMPACT OF AIR POLLUTANTS ON PLANT POPULATIONS.
M Treshow
Phytopathology 58(8):1108-1113 REF
Aug 1968 464.8 P56
Air pollution, Bacteria, Fungi, Plant diseases, Plant injuries, Population.

19237-68
SOURCES OF PLANT-PATHOGENIC AIR POLLUTANTS.
F A Wood
Phytopathology 58(8):1075-1084 MAP REF
Aug 1968 464.8 P56
Air pollution, Chemistry, Industry, Plant diseases, Plant injuries.

19238-68
THE PRESENCE AND PERSISTENCE OF DIELDRIN ON FORAGE CROPS FROM SOIL TREATMENTS FOR ALFALFA SNOUT BEETLE CONTROL.
T K Wood G C Gyrisco W H Gutenmann C M Edmonds
J Econ Entomol 59(2):472-473
Apr 1966 421 J822
Alfalfa, Brachyrhinus ligustici, Corn, Dieldrin, Forage plants, Rhyncophora, Soil contamination, Soil treatment.

RESIDUES

19239-68
THE BREAKDOWN OF 14-C-CHLORFENVINPHOS IN SOILS AND IN.
K I Beynon A N Wright
J Sci Food Agr 18(4):143-150
Apr 1967 382 SO12
Cabbage, Carbon isotopes, Carrots, Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, 2-, Desethyl chlorfenvinphos, Dichloroacetophenone, 2,4-, Dichlorophenacyl chloride, 2,4-, Dichlorophenyl)ethan-1-ol, 1-(2,4-, Dichlorophenyl)ethan-1,2-diol, (2,4-, Dichlorophenyloxirane, 2,4-, Insecticide residues, Insecticides, Metabolites, Onions, Radioactive tracers, Root crops, Soil chemistry.

19240-68
THE EFFECT OF SULPHUR-CONTAINING FUNGICIDES ON THE CORROSION OF PLAIN CANS OF FRUIT.
P W Board R V Holland R G P Elhourne
J Sci Food Agr 18(6):232-236
Jun 1967 382 SO12
Cans, Captan, Corrosion, Food contamination, Fruit, Fungicides, Pesticide residues, Sodium sulfide, Sulfur, Thiram, Ziram.

19241-68
IODINE-131 CONCENTRATIONS IN AUSTRALIAN MILK RESULTING FROM THE 1967 FRENCH NUCLEAR WEAPON TESTS IN POLYNESIA.
J Bonnyman J C Duggleby
Australian J Sci 30(6):223-226
Dec 1967 475 AU72
Children, Food contamination, Iodine isotopes, Milk, Nuclear warfare, Thyroid gland.

19242-68
THIN-LAYER CHROMATOGRAPHIC DETERMINATION OF POLYBUTENE RESIDUES IN PLANTS.
C J Briggs S B Challen
J Sci Food Agr 18(12):602-605
Dec 1967 382 SO12
Acaricides, Apples, Brassica hirta, Butene polymers, Chromatography, Chrysanthemum, Cucumbers, Food contamination, Pesticide analysis, Pesticide residues, Rosa.

19243-68
LEAD ACCUMULATION IN NOVA SCOTIA ORCHARD SOILS.
D Chisholm R F Bishop
Horticulturol Abs 38(3):696
Sep 1968 241 1M74
Fruit, Lead, Pesticide residues, Soils.

19244-68
PESTICIDES CONTAINING PHOSPHORUS PASTE INTENDED FOR USE IN OR AROUND THE HOME. NOTICE OF PROPOSED INTERPRETATION 26 UNDER FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT.
H W Hays
Fed Regist 33(199):15214
11 Oct 1968 L1.451
Accident prevention, Agricultural products, Fungicides, Insecticides, Labeling, Pesticide residues, Pesticides, Phosphorus, Rodenticides.

19245-68
METABOLISM OF 'PROPHAM' (ISOPROPYL N-PHENYLCARBAMATE) IN THE RAT.
G M Holder A J Ryan
Nature 220(5162):77
05 Oct 1968 472 N21
Biochemistry, Herbicide residues, Ipc, Metabolism, Metaholites, Rats, Research.

19246-68
CHLORINATED HYDROCARBONS IN BRITISH WILDLIFE.
D C Holmes J H Simmons J O G Tattun
Noture 216(5112):227-229 REF
21 Oct 1967 472 N21
Biochemistry, Chlorine, Chromatography, Eggs, Hydrocarbons, Liver, Organic compounds, Pesticide residues, Toxicology, Wildlife.

19247-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. S-ETHYL DIPROPYLTHIOCARBAMATE.
J K Kirk
Fed Regist 33(163):11814
21 Aug 1968 L1.451
Chemicals, Ethyl N,N-dipropylthiocarhamate, Food plants, Herbicides, Pesticide residues.

19248-68
DANGER OF CHLORINATED HYDROCARBON INSECTICIDES IN BIRD'S EGGS.
J H Koeman R C H M Oudejans E A Huisman
Noture 215(5105):1094-1096
02 Sep 1967 472 N21
Biochemistry, Chick emhryos, Chlorine, Dieldrin, Eggs, Hydrocarhons, Insecticide residues, Insecticides, Toxicology.

19249-68
REPORT OF THE PESTICIDE RESIDUES COMMITTEE. SB951.N36.
13 P.

Jun 1967

Accident prevention, Chemistry, Discussion groups, Fungicides, Insecticides, Pesticide residues, Pesticides, Reports, Research.

19250-68

INVESTIGATIONS ON THE DEVELOPMENT OF SIMPLE RAPID METHODS AND EQUIPMENT FOR QUALITATIVE DETECTION OF PESTICIDES AND THEIR METABOLITES IN PLANT AND ANIMAL PRODUCTS. FINAL TECHNICAL REPORT, JUNE 29- DECEMBER 31, 1966. SB959.S7.

C W Stanley

59 P.

1966

Animals, Biochemistry, Equipment, Food, Metabolites, Methodology, Pesticide residues, Pesticides, Plants, Reports, Research.

19251-68

ACCUMULATION OF DDT IN FRUIT PLANTINGS WHEN USED CONTINUOUSLY.

V P Vasil Ev

Horticultural Abs 38(3):696

Sep 1968 241 IM74

DDT, Fruit, Pesticide residues.

TOXICOLOGY

19252-68

SWINE TOXICOSIS ASSOCIATED WITH FUMIGATED GRAIN.

J F Bone D H Smith D C England R L Goulding

Amer Vet Med Ass J 150(9):1022-1026 REF

01 May 1967 41.8 AM3

Baby pigs, Barley, Fetal death, Fumigants, Mortality, Poisoning, Swine.

Abstract: A poisoning syndrome was observed in swine fed fumigated barley. Stillbirths were numerous. Postpartum losses in sucking pigs were characterized by fetid brownish diarrhea, dehydration, aplastic normochromic anemia, pulmonary edema and hydrothorax, renal hemorrhages, mesenteric edema, and low-grade enteritis. In feeder swine, lesions were principally renal hemorrhages, pulmonary edema, and hydrothorax. The feed bins had a moldy odor reminiscent of phosgene, but tests failed to reveal any toxic substance. Losses stopped after removal of fumigated grain from the ration.

19253-68

THE FOOD PROTECTION AND TOXICOLOGY CENTER- ANNUAL REPORTTX341.C3.

105 P.

1966

Accident prevention, Biochemistry, Botulism, Chemicals, Food, Reports, Research, Salmonellosis, Toxicology.

19254-68

CROTALARIA INTOXICATION IN GUINEA PIGS.

W W Carlton

Amer Vet Med Ass J 151(7):845-855 REF

01 Oct 1967 41.8 AM3

Animal histology, Autopsies, Crotalaria spectabilis, Guinea pigs, Poisoning, Seeds.

Abstract: Finely ground Crotalaria spectabilis seeds were incorporated into ground commercial pellets and fed to male guinea pigs at levels of 1 percent and 5 percent of the diet. Guinea pigs fed 5 percent of the ground seeds developed distended abdomens. There was serous effusion into the subcutaneous tissue at necropsy. Livers were severely congested, and the capsular surface was partially covered by a fibrin film. Focal areas of pneumonia and congestion were found in the lungs. Microscopically, livers showed congestion, necrosis of hepatocytes, ductule cell hyperplasia, thrombosis of portal veins, megalocytosis, dilatation of lymphatics, cytoplasmic inclusions, spicules of bone, and deposits of osteoid tissue. Fibrosis, but not cirrhosis, was observed. Pneumonia, congestion and focal hemorrhage occurred in lungs. Hemoglobin levels and packed cell volumes was not changed.

19255-68

TOXICITY OF OIL-SPILL REMOVERS (DETERGENTS) TO MARINE LIFE: AN ASSESSMENT USING THE INTERTIDAL BARNACLE ELMINIUS MODESTUS.

E D S Corner A J Southward E C Southward

Mar Biol Ass Uk J 48(1):29-47 REF

Feb 1968 442.9 M331

Aquatic animals, Barnacles, Detergents, Toxins.

19256-68

TOXIC FUNGI ISOLATED FROM TALL FESCUE.

A C Keyl J C Lewis J J Ellis S G Yates H L Tookey

Mycopathol Mycol Appl 31(3-4):327-331

28 Apr 1967 450 M994

Cattle, Cladosporium cladosporioides, Festuca arundinacea, Fusarium nivale, Poisoning, Poisonous fungi, Sheep.

A mixture of C. cladosporioides and F. nivale produced ruminal atony in sheep. Clinical findings are similar to those of cattle on toxic fescue pasture. toxic effects on rabbit skin and death in mice were produced by fescue molds.

19257-68

DDT RESIDUES IN PACIFIC SEA BIRDS: A PERSISTENT INSECTICIDE IN MARINE FOOD CHAINS.

R W Risebrough D B Menzel D J Martin H S Olcott

Nature 216(5115):589-591 REF

11 Nov 1967 472 N21

Aquatic birds, DDT, Ecology, Eggs, Insecticide residues, Marine biology.

19258-68

CLINICO-EPIDEMIOLOGICAL AND IMMUNOLOGICAL EXAMINATION OF PERSONS, VACCINATED AND NONVACCINATED AGAINST BRUCELLOSIS, SUBJECT TO INFECTION HAZARD. (RUS)

P A Vershilova A A Golubeva A G Markaryan G N Sereda

Zhur Mikrobiol Epidemiol Immunobiol 1(0):27-35

1968 448.3 Z4

Allergies, Granuloma, Hypersensitivity, Immunity, Lipids, Lymph nodes, Polysaccharides, Proteins, Spleen, Tuberculin, Tuberculosis. Summary in English

19259-68

STEM NECROSIS OF GRAPES.

Horticultural Abs 38(3):680

Sep 1968 241 IM74

Grapes, Necrosis, Plant physiology, Stem.

19260-68

GOSSYPOL SYNTHESIS IN CHILLED COTTON TISSUES. (ABSTRACTS).

A A Bell M N Christiansen

Phytopathology 58(7):883

Jul 1968 464.8 P56

Biosynthesis, Cotton, Gossypol, Plant temperature, Seedlings, Tissues, Verticillium albo-atrum.

19261-68

INFLUENCE OF NEAR-ULTRAVIOLET LIGHT ON HYPHAL ELONGATION IN VERTICILLIUM.

W H Brandt

Mycologia 59(4):736-739 REF

Jul 1967 450 M99

Plant physiology, Ultraviolet rays, Verticillium albo-atrum.

19262-68

GROWTH AND FRUIT DROP OF YOUNG FRUIT TREES SPRAYED WITH ACARICIDES DEMETON-METHYL OR TETRADIFON.

J B Briggs D J Avery

Horticultural Abs 38(3):695

Sep 1968 241 IM74

Acaricides, Biochemistry, Demeton, Fruit, Methyl, Plant physiology, Spraying, Tetradifon.

19263-68

FIELD AND LABORATORY STUDIES OF THE EFFECT OF UREA ON ASCOSPORE PRODUCTION OF VENTURIA INAEQUALIS (CKE.) WINT.

R T Burchill

Ann Appl Biol 62(2):297-307

Oct 1968 442.8 AN72

Biochemistry, Laboratories, Research, Urea, Venturia inaequalis.

19264-68

DEVICES FOR SEED DRESSING WITH LIQUID MATERIALS. (CZ)

Z Chladek

Agrochemia 8(4):55-58

1968 385 AG88

Biochemistry, Chemicals, Crop yields, Pesticide application, Seed treatment.

19265-68

PRODUCTION OF KETO ACIDS BY CERATOCYSTIS FAGACEARUM AND CERATOCYSTIS COERULESCENS.

R P Collins K Kalnius

Mycologia 59(4):722-725 REF

Jul 1967 450 M99

Biochemistry, Ceratocystis coeruleseens, Ceratocystis fagacearum, Dinitrophenylhydrazones, Oxoacids.

19266-68

EFFECT OF CONCENTRATION, EXPOSURE TIME, TEMPERATURE, AND RELATIVE HUMIDITY ON THE TOXICITY OF SULFUR DIOXIDE TO THE SPORES OF BOTRYTIS CINERA.

H M Coucy M Uota

Phytopathology 51(12):815-819

Dec 1961 464.8 P56

Botrytis cinerea, Chemical control (plant diseases), Dosage, Humidity, Sulfur dioxide, Temperature.

19267-68

PHYSIOLOGICAL PROCESSES TAKING PLACE IN VINES UNDER THE INFLUENCE OF PESTICIDES.

G V Dolidze

Horticultural Abs 38(3):695

Sep 1968 241 IM74

Biochemistry, Grapes, Pesticides, Plant physiology.

19268-68

THE EFFECTS OF VARIOUS VITAMINS ON GROWTH OF BOTRYOSPHAERIA RIBIS IN VITRO. (ABSTRACT).

C R Drake

Phytopathology 58(7):884

Jul 1968 464.8 P56

Ammonium nitrate, Biochemistry, Botryosphaeria rihis, Carbon, Culture media, Growth factors, Plant growth inhibitors, Sucrose, Vitamins.

19269-68

PHYSIOLOGICAL STUDIES ON PEAR CANKER DISEASE IN U.A.R. AND ITS CONTROL.

A A El-Adawy M Kamel

Horticultural Abs 38(3):678-679

Sep 1968 241 IM74

Canker (fruit), Pears, Plant diseases, Plant physiology, Research.

19270-68

INFLUENCE OF LOW LEVELS OF OZONE ON FLOWERING OF CARNATIONS.

W A Feder F J Campbell

Phytopathology 58(7):1038-1039

Jul 1968 464.8 P56

Dianthus caryophyllus, Flowering, Ornamental plants, Ozone, Plant physiology.

19271-68
EFFECTS OF TOMATO RINGSPOT VIRUS ON PLANT AND FRUIT DEVELOPMENT OF RASPBERRIES.
J A Freeman R Stace-Smith
Horticultural Abs 38(3):682
Sep 1968 241 IM74
Fruit, Plant physiology, Raspberries, Ring spot (tomatoes).

19272-68
SOME PHYSICAL AND CHEMICAL PROPERTIES OF AN ENDOGENOUS GERMINATION INHIBITOR FROM UREDOSPORES OF WHEAT STEM RUST. (ABSTRACT).
R C French
Phytopathology 58(7):884
Jul 1968 464.8 P56
Biochemistry, Plant growth inhibitors, Plant physiology, Puccinia graminis tritici, Seed germination, Stem rust (wheat), Uredospores.

19273-68
PERIOD OF ACCESS TO ETHANOL IN RELATION TO CARBON UTILIZATION AND RHIZOMORPH INITIATION AND GROWTH IN ARMILLARIA MELLEA.
M O Garraway A R Weinhold
Phytopathology 58(8):1190-1191 REF
Aug 1968 464.8 P56
Armillaria mellea, Biochemistry, Carbon, Ethyl alcohol, Plant physiology, Time.

19274-68
THE INFLUENCE OF CATION COMPETITION, TIME, AND TEMPERATURE ON THE UPTAKE OF STREPTOMYCIN BY FOLIAGE.
R N Goodman H S Goldberg
Phytopathology 59(11):851-854
Nov 1960 464.8 P56
Beans, Fruit, Ions, Plant temperature, Streptomycin.

19275-68
BEHAVIOR OF MACROCONIDIA OF FUSARIUM ROSEUM 'SAMBUCINUM' UNDER CARBON STARUATION CONDITIONS IN RELATION TO SURVIVAL IN SOIL. (ABSTRACT).
G J Griffin
Phytopathology 58(7):885
Jul 1968 464.8 P56
Ammonium, Carbon, Conidia, Deficiency diseases, Fusarium roseum, Plant respiration, Soil fungi, Starvation.

19276-68
CROP RESPONSES TO APPLIED MOLYBDENUM AND COPPER ON PODZOL SOILS.
U C Gupta D C MacKay
Canad J Soil Sci 48(3):235-242
Oct 1968 56.8 C162
Alfalfa, Barley, Barley straw, Biochemistry, Copper, Field crops, Greenhouse culture, Molybdenum, Plant physiology, Soils.

19277-68
CAN HERBICIDES BE USED SAFELY EVERY YEAR .
A E Hiltbold G A Buchanan
Highlights 15(3):9 FALL
1968 100 AL1H
Atrazine, Biochemistry, Chemical control (weeds), Corn, Cotton, Field crops, Herbicide residues, Herbicides, Plant hardiness, Research, Simazine, Soybeans.

19278-68
EFFECT OF ROOT TEMPERATURE ON HYPOCOTYLS OF COTTON SEEDLINGS AS A SOURCE OF NUTRITION FOR RHIZOCTONIA SOLANI.
R E Hunter G Guinn
Phytopathology 58(7):981-984
Jul 1968 464.8 P56
Cotton, Fungus diseases (plants), Greenhouses, Hypocotyls, Nitrogen, Plant nutrition, Plant temperature, Rhizoctonia solani, Roots, Seedlings, Starches, Sugars.

19279-68
DESSICATION ACTIVITY OF SOME XANTHATES. (CZ)
V Koneeny S Prichradny S Truchlik
Agrochemia 8(1):24-27
1968 385 AG88
Biochemistry, Chemical control (weeds), Defoliants, Esters, Herbicides, Xanthic acids.

19280-68
AN EFFECT OF KINETIN ON THE TRANSLOCATION OF 14C-LABELLED PHOTOSYNTHATE IN CITRUS.
P E Kriedemann
Australian J Biol Sci 21(3):569-571
Jun 1968 442.8 AU72
Absorption, Biochemistry, Carbon isotopes, Citrus, Kinetin, Leaves, Photosynthesis, Research, Tables (data).

19281-68
EFFECT OF DDT ON PHOTOSYNTHESIS IN CERTAIN VARIETIES OF BARLEY.
P D Lawler L J Rogers
Nature 215(5109):1515-1516
30 Sep 1967 472 N21
Barley, Biochemistry, Chloroplasts, DDT, Hill reaction, Immunity, Photosynthesis, Plant genetics, Plant hardiness.

19282-68
FIELD AND LABORATORY TRIALS ON THE FUNGICIDAL AND BIOLOGICAL SIDE-EFFECTS OF PLANT PROTECTANTS USED IN VITICULTURE.
J Lehoczky
Horticultural Abs 38(3):688-689
Sep 1968 241 IM74
Biology, Culture media, Fungicides, Laboratories, Plant physiology, Research.

19283-68
EFFECT OF FUNGICIDES ON GERMINATION OF LOWBUSH BLUEBERRY POLLEN AND ON NUMBER OF SEEDS PER BERRY.
C L Lockhart
Horticultural Abs 38(3):695
Sep 1968 241 IM74
Biochemistry, Blueberries, Fungicides, Plant physiology, Pollen, Seed germination, Seeds.

19284-68
EFFECT OF FUNGICIDES ON GERMINATION OF LOWBRUSH BLUEBERRY POLLEN AND ON NUMBER OF SEEDS PER BERRY.
C L Lockhart
Can Plant Dis Surv 47(3):72-73
Sep 1967 464.9 C16S
Blueberries, Ferbam, Fungicides, Pollen, Polyethylene thiuram sulfides, Seeds, Zineb, Ziram.

19285-68
THE EFFECT OF FUMIGANTS ON THE VINE PLANT AND ON THE SOIL MICROFLORA ON CALCAREOUS CHERNOZEM.
M N Mirzonova N N Perov
Horticultural Abs 38(3):696
Sep 1968 241 IM74
Biochemistry, Calcareous soils, Chernozems, Grapes, Soil fumigation.

19286-68
PRODUCTION OF POLYGALACTURONASE BY VERTICILLIUM ALBO-ATRUM AND FUSARIUM OXYSPORUM F. SP. LYCOPERSICI IN VITRO AND IN VASCULAR TISSUE OF SUSCEPTIBLE AND RESISTANT HOSTS. (ABSTRACT).
H W Mussell R J Jr Green
Phytopathology 58(8):1061
Aug 1968 464.8 P56
Culture media, Enzymes, Fusarium oxysporum, Pectinase, Plant disease resistance, Plant physiology, Vascular system (plants), Verticillium albo-atrum.

19287-68
EFFECTS OF F-2, AN ESTROGENIC METABOLITE FROM FUSARIUM, ON SEXUAL REPRODUCTION OF CERTAIN ASCOMYCETES. (ABSTRACT).
R R Nelson C J Mirocha D Huisingh A Tijerina-Menchaca
Phytopathology 58(8):1061-1062
Aug 1968 464.8 P56
Ascomycetes, Estrogens, Fusarium roseum, Metabolism, Metabolites, Plant physiology, Reproduction, Sex.

19288-68
THE BIOCHEMICAL AND PHYSIOLOGICAL NATURE OF RESISTANCE AND SUSCEPTIBILITY TO VERTICILLIUM WILT IN STRAWBERRY CULTIVARS.
K A Okasha
Horticultural Abs 38(3):688
Sep 1968 241 IM74
Biochemistry, Fungus diseases (plants), Plant disease resistance, Plant physiology, Strawberries, Verticillium, Wilt (strawberries).

19289-68
SPORE FORMATION AND RELEASE IN ERYSIPHE. (ABSTRACT).
S M Pady C L Kramer
Phytopathology 58(8):1062
Aug 1968 464.8 P56
Erysiphe, Greenhouse culture, Plant physiology, Reproduction, Spores.

19290-68
PURIFICATION AND PROPERTIES OF PHYTOTOXIC GLYCOPEPTIDES PRODUCED BY CORYNEBACTERIUM MICHIGANENSE. (ABSTRACT).
P V Rai G A Strobel
Phytopathology 58(8):1063-1064
Aug 1968 464.8 P56
Autoradiography, Chromatography, Corynebacterium michiganense, Electron microscopes, Glycopeptides, Plant physiology, Properties.

19291-68
THE TRANSPLANTING REACTIONS OF PEACH IN RELATION TO THE PRESENCE OF PEACH RESIDUES IN THE SUBSTRATE.
G Rainaldi F Zucconi
Horticultural Abs 38(3):679
Sep 1968 241 IM74
Biochemistry, Culture media, Peaches, Residues, Transplanting.

19292-68
TEMPLATE ACTIVITY AND RNA SYNTHESIS FROM GERMINATING BEAN RUST UREDOSPORES. (ABSTRACT).
L Ramakrishnan R C Staples
Phytopathology 58(8):1064
Aug 1968 464.8 P56
Escherichia coli, Metabolism, Ribonucleic acid, Rust (beans), Seed germination, Uromyces phaseoli.

19293-68
DEMONSTRATION OF OCCURRENCE OF HEXOSE MONOPHOSPHATE SHUNT PATHWAY IN CHLAMYDOSPORES OF SPHACELOTHECA SORGHI. (ABSTRACT).
P S Rao P Nordin E D Hansing
Phytopathology 58(8):1064
Aug 1968 464.8 P56
Biochemistry, Chlamydospores, Plant physiology, Sphacelotheca sorghi, Temperature.

19294-68
SOLUBLE SUGARS IN CHLAMYBOSPORES OF SPHACELOTHECA SORGHI. (ABSTRACT).
P S Rao E D Hansing P Nordin
Phytopathology 58(8):1064
Aug 1968 464.8 P56
Biochemistry, Chlamydospores, Sphacelotheca sorghi, Sugars.

19295-68
SENSITIVITY OF TOBACCO LEAF DISCS TO OZONE. (ABSTRACT).
R A Reinert H B Carter
Phytopathalagy 58(8):1064
Aug 1968 464.8 P56
Agar, Allergies, Biochemistry, Leaves, Ozone, Plant physiology, Tobacco.

19296-68
SACCHARASE ACTIVITY OF SCLEROTIUM ROLFSII IN SOIL AND THE MECHANISM OF ANTAGONISTIC ACTION BY TRICHODERMA VIRIDE.
R Rodriguez-Kabana E A Curl
Phytopathology 58(7):985-992 REF
Jul 1968 464.8 P56
Carbon dioxide, Culture media, Glucose, Invertase, Plant physiology, Sclerotium rolfsii, Soil fungi, Trichoderma viride.

19297-68
EXPERIMENTS USING STERILIZED APPLE-LEAF DISCS TO STUDY THE MODE OF ACTION OF UREA IN SUPPRESSING PERITHECIA OF VENTURIA INAEQUALIS (CKE.) WINT.
R G Ross R T Burchill
Ann Appl Biol 62(2):289-296
Oct 1968 442.8 AN72
Apples, Biochemistry, Perithecia, Research, Sterilization, Urea, Venturia inaequalis.

19298-68
THE EFFECT OF THE TOXIN OF PSEUDOMONAS PHASEOLICOLA ON TISSUE CULTURES OF BEAN (PHASEOLUS VULGARIS). (ABSTRACT).
K Rudolph R P Warick
Phytapathology 58(8):1065
Aug 1968 464.8 P56
Beans, Biochemistry, Plant physiology, Pseudomonas phaseolicola, Tissue culture, Toxins.

19299-68
CHYMOTRYPSIN INHIBITOR I FROM POTATOES: A TRANSIENT PROTEIN COMPONENT IN LEAVES OF YOUNG POTATOE PLANTS.
C A Ryan O C Huisman
Nature 214(5092):1047-1049
03 Jun 1967 472 N21
Chymotrypsin, Leaves, Plant growth inhibitors, Potatoes, Proteins.

19300-68
NUTRITION OF PHYTOPATHOGENIC PSEUDOMONADS. (ABSTRACT).
D C Sands M N Schroth
Phytopathology 58(8):1066
Aug 1968 464.8 P56
Nutrition, Plant physiology, Pseudomonadaceae, Pseudomonas glycinea, Pseudomonas syringae.

19301-68
MEMBRANE DISTRIBUTION IN PEPPER CELLS INDUCED BY XANTHOMONAS VESICATORIA AND BY VOLATILE PRODUCTS OF THE BACTERIUM. (ABSTRACT).
J M Sasser R E Stall A A Cook
Phytapathalogy 58(8):1066
Aug 1968 464.8 P56
Bacteria, Cells, Plant physiology, Redpeppers (vegetable), Volatile substances, Xanthomonas vesicatoria.

19302-68
DISC ELECTROPHORESIS OF UREDIOSPORE PROTEINS FROM PUCCINIA SPECIES. (ABSTRACT).
U A Shipton G Fleischmann
Phytapathalagy 58(8):1067
Aug 1968 464.8 P56
Biochemistry, Elecctrophoresis, Plant physiology, Proteins, Puccinia, Urediospore.

19303-68
REACTIONS OF FOLPET WITH PURIFIED ENZYMES, NUCLEIC ACIDS, AND SUBCELLULAR COMPONENTS OF SACCHAROMYCES PASTORIANUS.
M R Siegel H D Sisler
Phytopathalagy 58(8):1129-1133 REF
Aug 1968 464.8 P56
Biochemistry, Cells, Enzymes, Folpet, Nucleic acids, Saccharomyces pastorianus.

19304-68
A PLANT GROWTH INHIBITOR FROM TOBACCO AND ITS POSSIBLE INVOLVEMENT IN PATHOGENESIS. (ABSTRACT).
J R Steadman
Phytopathalagy 58(8):1069
Aug 1968 464.8 P56
Biochemistry, Plant diseases, Plant growth inhibitors, Plant physiology, Tobacco.

19305-68
ENZYME DETOXICATION OF 3',4'-DICHLOROPROPIONANILIDE IN RICE AND BARNYARD GRASS, A FACTOR IN HERBICIDE SELECTIVITY.
C C Still O Kuzirian
Nature 216(5117):799-800
25 Nov 1967 472 N21
Assay, Biochemistry, Chemical control (weeds), Chromatography, Enzymes, Herbicides, Photosynthesis, Propanil, Rice, Soil microorganisms, Temperature.

19306-68
METABOLISM OF 3,4-DICHLOROPROPIONANILIDE IN PLANTS: THE METABOLIC FATE OF THE 3,4-DICHLOROANILINE MOIETY.
G G Still
Science 159(3818):992-993
01 Mar 1968 470 SCI2
Biochemistry, Herbicides, Metabolism, Plant physiology, Propanil.

19307-68
OZONE INJURY ON BEL W-3 TOBACCO CONTROLLED BY AT LEAST TWO GENES. (ABSTRACT).
G S Taylor
Phytopathology 58(8):1069
Aug 1968 464.8 P56
Genes, Genetics, Ozone, Plant injuries, Plant physiology, Tobacco.

19308-68
RELATION OF LIPID CONTENT TO OZONE RESISTANCE OF TOBACCO LEAVES. (ABSTRACT).
H Tomlinson S Rich
Phytopathology 58(8):1070
Aug 1968 464.8 P56
Leaves, Lipids, Ozone, Plant disease resistance, Plant physiology, Tobacco.

19309-68
GERMINATION OF CHLAMYDOSPORES OF PHYTOPHTHORA PARASITICA IN SOIL. (ABSTRACT).
P H Tsao J L Bricker
Phytopathology 58(8):1070
Aug 1968 464.8 P56
Chlamydospores, Phytophthora parasitica, Plant physiology, Seed germination, Soil fungi.

19310-68
EFFECT OF RADIATION INTENSITY AND QUALITY ON SPORULATION BY HELMINTHOSPORIUM DICTYOIDES. (ABSTRACT).
J M Jr. Vargas R D Wilcoxson
Phytapathology 58(8):1070
Aug 1968 464.8 P56
Helminthosporium dictyoides, Irradiation, Plant physiology, Radioactivity, Sporulation.

19311-68
EFFECTS OF TCPA ON OAK SAPWOOD FORMATION AND THE INCIDENCE AND DEVELOPMENT OF OAK WILT. (ABSTRACT).
K O Veen V M G Nair J E Kuntz
Phytopathology 58(8):1071
Aug 1968 464.8 P56
Biochemistry, Fenac, Plant physiology, Quercus, Wilt (quercus).

19312-68
ACTION OF POTATOE PEEL EXTRACTS IN MODIFYING TUBER DORMANCY.
M G Walker
Nature 217(5131):878-879
02 Mar 1968 472 N21
Chromatography, Minerals, Plant physiology, Potatoes, Seed dormancy.

19313-68
EFFECT OF TEMPERATURE ON EJECTION OF ASCOSPORES OF LEPTOSPHAERULINA BRIOSIANA.
R D Wilcoxson M C Pandey
Indian Phytapathol 20(3):199-202
Sep 1967 464.8 IN2
Fungus diseases (plants), Leptosphaerulina briosiana, Temperature.

19314-68
METABOLITE SYNTHESIS AND DEGRADATION DURING CLUBROOT DEVELOPMENT IN CABBAGE HYPOCOTYLS.
P H Williams N T Keen J O Strandberg S S McNabola
Phytapathology 58(7):921-928 REF
Jul 1968 464.8 P56
Biochemistry, Clubroot (cabbage), Cytoplasm, Deoxyribonucleic acid, Plant metabolism, Plasmodiophora brassicae, Ribonucleic acid.

19315-68
OXIDATIVE METABOLIC PATTERNS DISPLAYED BY PSEUDOMONAS SAUASTANOI ON CARBOHYDRATE AND AMINO SUBSTRATES. (ABSTRACT).
E E Wilson M G Heskett
Phytapathalagy 58(8):1072
Aug 1968 464.8 P56
Biochemistry, Carbohydrates, Metabolism, Oxidation, Plant physiology, Pseudomonas savastanoi.

19316-68
THE INFLUENCE OF SMOKE FROM THE COMBUSTION OF POLYVINYL CHLORIDE INSULATION ON NORTHERN HARDWOOD FOREST SPECIES. (ABSTRACT).
F A Wood
Phytopathology 58(8):1073
Aug 1968 464.8 P56
Biochemistry, Forests, Hardwoods, Plant physiology, Polyvinyl chloride, Smoke.

19317-68
TRANSFORMATION OF HORSERADISH PEROXIDASE INTO PHOTOSENSITIVE COMPOUNDS IN THE PRESENCE OF INDOLE-3-ACETIC ACID.
I Yamazaki H Sano R Nakajima K Yokota
Biachem Biophys Res Commun 31(6):932-937 REF
28 Jun 1968 442.8 B5236
Chemical reactions, Chemistry, Indoleacetic acid, Peroxidases, Photoperiodism, Photosensitization, Temperature.

19318-68
A CHEMICALLY DEFINED MEDIUM FOR THE VEGETATIVE GROWTH OF APHANOMYCES EUTEICHES. (ABSTRACT).
C Y Yang C L Schoulties
Phytopathalogy 58(8):1073-1074
Aug 1968 464.8 P56
Aphanomyces euteiches, Chemicals, Culture media, Fungi, Plant biochemistry, Plant physiology.

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Abdel-Salam, F A
Hohenheim Universitat; Institut fur Pflanzenschutz
18578

Ahmad, S T
Indian Agricultural Research Institute, Simla; Plant Pathological Sub-station
18762

Ahuja, M R
Institute for Cancer Research, Philadelphia, Penn.
18717

Akbar, S S
University of Sind, Hyderabad, Pakistan; Dept. of Zoology
18507

Al-aubaldi, J M
Cornell University, Ithaca, New York; New York State Veterinary College
19152

Al-Azawi, A F
Baghdab University, Iraq; College of Agriculture
18497

Alderson, T
Cambridge University, Mass.; Dept. of Genetics
18700

Alexander, C P
Massachusetts University,; Entomological Laboratory
18580

Allen, A A
63 Blackheath Park, London
18508

Anderson, L J
Glasgow University Veterinary Hospital, Bearsden
19153

Anderson, N H
Canada Dept. of Agriculture, Belleville; Research Branch; Entomology Research Institute for Biological Control
18581

Anderson, R J
U. S. Dept. of Agriculture; Agricultural Research Service
18705

Anderson, R J
U. S. Dept. of Agriculture; Agricultural Research Service
19154

Arenstein, Z
Israel Ministry of Agriculture; Extension Service; Plant Protection Section
18766

Ashman, F
Scott Agricultural Laboratories, Nairobi
19000

Atabekov, J G
Moscow State University, Moscow; Laboratory of Bioorganic Chemistry
18767

Aurelian, Laure
Johns Hopkins University School of Medicine, Baltimore, Md.; Dept. of Microbiology
19141

Ayers, W A
Dept. of Scientific and Industrial Research,; Soil Bureau, Lower Hutt, New Zealand
18718

Badiali, L
United Nations Development Programme/special Fund-food and; Agricultural Organization, Box 2223, Cairo, Egypt; Near East Animal Health Institute
19156

Bagga, H S
Delta Branch of the Mississippi Agricultural Experiment; Station, Stoneville
18768

Bagga, H S
Delta Branch of the Mississippi Agricultural Experiment; Station, Stoneville
18769

Bagga, H S
Delta Branch of the Mississippi Agricultural; Experiment Station, Stoneville, Miss.
18770

Bal, D H
institute of Plant Environment, Suwon, Korea
18582

Bal, D H
Institute of Plant Environment, Korea
18771

Bailey, R
Chiswick Polytechnic, London, England
18583

Ball, E M
Nebraska University, Lincoln; Plant Pathology Dept.
18772

Ballantyne, B
New South Wales Dept. of Agriculture, Rydalmere; Division of Science Services; Biology Branch
18773

Barksdale, T H
U. S. Dept. of Agriculture, Beltsville, Md.
18774

Barnwell, F H
Northwestern University, Illinois; Dept. of Biological Sciences
18584

Baskakov, J A
Vsesvazovy Vedeckovyskumny Ustav Chemickych Prostriedkov Na
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Basu-Chaudhary, K C
Agra College, India; Botany Dept.
18776

Baumann, G
Bonn University, Germany; Inst. Obstb.
18777

Bauske, R J
Iowa State University, Ames
18778

Bean, G A
Maryland University, College Park
18779

Beetz, K J
WeinbBeratungsst, Limburgerhof, Germany
18780

Behrendt, K
Deutsches Entomologisches Institut, Eberswalde, German; Democratic Republic
18585

Bell, A A
U. S. Dept. of Agriculture, Beltsville, Md.
19260

Benson, R B
British Museum, London
18511

Benson, R B
British Museum (Natural History), London, England
18512

Besuchet, C
Museum d' Histoire Naturelle de Geneve
18513

Beynon, K I
Shell Research, Sittingbourne, England; Woodstock Agricultural Research Centre
19239

Bird, A F
Commonwealth Scientific and Industrial Research Organiza; Tion, Glen Osmond, South Australia; Division of Horticultural Research
18586

Blackith, R E
Imperial College, London, England; Zoology Dept.
18514

Blackman, C W
Edisto Experiment Station, Blackville, S. C.
18719

Blackman, C W
Edisto Experiment Station, Blackville, S. C.
18720

Blackman, C W
Edisto Experiment Station, Blackville, S. C.
19002

Blackman, R L
Imperial College Field Station, Ascot, Berkshire, Great Bri; Tain
18587

Blackmon, C W
Edisto Experiment Station, Blackville, S C
18782

Blackmon, C W
Edisto Experiment Station, Blackville, S. C.
19003

Blanpied, G D
Cornell University, Ithaca, N. Y
18721

Blanpied, G D
Cornell University, Ithaca, N. Y.
18783

Blazquez, C H
Florida University, Immokalee, Fla.; South Florida Field Laboratory
18722

Bombosch, S
Gottingen Universitat, German Federal Republic; Institut fur Pflanzenpathologie
18498

Bondarenko, V M
Moskovski Meditsinsn Institut Im. Pirogova
19157

Bone, J F
Oregon Agricultural Experiment Station, Corvallis; Dept. of Veterinary Medicine
19252

Bonnemaison, L
Station Centrale de Zoologie Agricole, France
19005

Borum, D E
California University, Riverside; Dept. of Plant Pathology
18788

Boubals, D
Station de Recherche Viticulture, Montpellier, France
19097

Bowie, R A
Imperial Chemical Industries, Limited; Pharmaceuticals Division, Alderley Park, Cheshire
18499

Bracken, G K
Canada Dept. of Agriculture, Belleville; Research Institute
18588

Brakke, M K
U. S. Dept. of Agriculture, Lincoln, Nebraska; Nebraska University; Agricultural Research Service; Crops Research Division
18789

Brandt, W H
Oregon State University, Corvallis; Dept. of Botany and Plant Pathology
19261

Brangham, A N
Four Ways, 85 Claremont Road, Tunbridge Wells, Kent, England
18515

Brangham, A N
Four Ways, 85 Claremont Road, Tonbridge Wells, Kent, England
18589

Bratt, M A
Harvard Medical School, Boston; Dept. of Bacteriology and Immunology
19158

Bratt, M A
Harvard Medical School, Boston; Dept. of Bacteriology and Immunology
19159

Braun, A J
New York State Agricultural Experiment Station, Geneva
18790

Braun, A J
New York State Agricultural Experiment Station, Geneva
18791

Brian, P W
Glascow University; Dept. of Botany
18792

Briggs, C J
Portsmouth College of Technology, England; School of Pharmacy; Pharmacognosy Laboratory
19242

Brodie, B B
U. S. Dept. of Agriculture; Agricultural Research Service
19006

Brown, M E
Leeds University, England; School of Agricultural Sciences,; Agricultural Botany Division
19160

Brunt, A A
Glasshouse Crops Research Institute, Littlehampton, Sussex,; England
19161

Buffington, J D
U.s. Army, Fort Detrick, Fredrick, Maryland
18590

Buko, L
Conneetieut University, Storrs; Dept. of Animal Diseases
19162

Bullock, J A
Malaya University, Kuala Lumpur; Dept. of Zoology
18591

Burchill, R T
East Malling Researeh Station, Maidstone, Kent, England
19263

Burts, E C
Washington State University, Wenatehee
19007

Buxton, P A
London Sehool of Hygiene and Tropical Medieine, England
18592

Bwangamoi, O
University College, Kenya; Faeulty of Veterinary Seienee
19163

Byrde, R J W
Bristol University; Long Ashton Research Station
18794

Callbeck, L C
Researeh Station, Prinee Edward Island, Canada
18795

Canerday, T D
Auburn University, Ala.; Agrieultural Experiment Station
19009

Canerday, T D
Auburn University, Alabama; Agricultural Experiment Station
19010

Carlson, J R
Washington State University, Pullman, 99163; Dept. of Animal Sciences
19164

Carlson, L W
Dept. of Forestry and Rural Development, Manitoba
18723

Carlson, L W
Dept. of Forestry and Rural Development, Manitoba
18724

Carlton, W W
Purdue University, Lafayette, Indiana; Sehool of Veterinary Scienee and Medicine,; Dept. of Veterinary Physiology and Pharmacology
19254

Carmiehael, L E
Cornell University, Ithaca, New York; New York State Veterinary College; Veterinary Virus Researeh Institute
19165

Cetas, R C
Cornell University, Riverhead; Long Island Vegetable Researeh Farm
18725

Cetas, R C
Cornell University, Riverhead, N. Y.; Long Island Vegetable Research Farm
18796

Chambers, A Y
Tennessee Agricultural Experimcnt Station, Jackson; Dept. of Agricultural Biology
18797

Chambers, V H
47 Westbourne Road, Luton, Beds
18517

Chandler, W A
Georgia Experiment Station; Dept. of Plant Pathology
18798

Chapman, R F
Birkbeck College, London; Zoology Dept.
18518

Chase, A M
Cambridge University, Mass.; Dept. of Zoology
18593

Chiekering, A M
Harvard Univcrsity; Museum of Comparative Zoology
18519

Chisholm, D
Canada Dept. of Agrieulture, Kentville
19243

Chiu, R J
Illinois University, Urbana; Dept. of Botany
19012

Chowdaiah, B N
Central College, Bangalore, India; Dept. of Zoology
18701

Clarke, C A
Liverpool University; Dept. of Medieine and Dept. of Geneties
18594

Clayton, C N
North Carolina State University, Raleigh; Dept. of Plant Pathology
18801

Coffman, J R
Kansas State University, Manhattan, Kansas; College of Veterinary Medieine; Dept. of Pathology, Parasitology, and Publie Health; Dept. of Surgery and Medieine
19166

Coggins, L
East Afriean Veterinary Researeh Organization, Muguga, Kiku; Yu, Kenya, East Afriea
19167

Cole, R J
U. S. Dept. of Agrieulture, Beltsville, Maryland; Agrieultural Researeh Service; Entomology Researeh Division
19098

Collins, R P
Conneetieut University, Storrs
19265

Conner, S R
Delaware University, Newark; Dept. of Plant Pathology
19013

Connor, S R
Delaware University, Newark
18803

Connor, S R
Delaware University, Newark; Dept. of Plant Pathology
19014

Cook, J R
U. S. Dept. of Agriculture, Pullman; Washington State University; Agrieultural Researeh Service; Crops Research Division
18805

Coombs, C W
Agricultural Research Council, London Road, Slough, Bueks,; England; Pest Infestation Laboratory
18595

Cottier, G J
Auburn University, Ala.; Agrieultural Experiment Station; Dept. of Poultry Science
19169

Cotton, M J
University Museum, Oxford, England; Hope Dept. of Entomology
18596

Covey Jr, R P
Trce Fruit Rescareh Center, Wenatehee, Wash.
18806

Crittenden, H W
Delaware University, Newark
18808

Crossan, D F
Delaware University, Newark
18810

Crowson, R A
The Univcrsity, Glasgow; Dept. of Zoology
18521

Daines, R H
Rutgers State University, New Brunswiek, N. J.
18811

Dalrymple, G V
Arkansas University Medieal Center, Little Roek; Dept. of Radiology and Physiology
19142

Davidson, D
Case Western Reserve University, Cleveland, Ohio; Dept. of Biology
18726

Davis, R B
U. S. Dept. of Agrieulture; Agrieultural Research Serviec; Entomology Researeh Division
19099

Davis, T C
Aburn University, Ala; Agrieultural Experiment Station; Dept. of Forestry
18812

De la Cruz, A A
Phillippine University, Dilliman, Rizal
18599

Dean, C E
North Florida Experiment Station, Gainesville
19100

Deep, I W
Oregon State University, Corvallis
18813

Delp, C J
E. I. duPont de Nemours and Company, Wilmington, Del.
18727

Delp, C J
E. I. duPont de Nemours and Company, Wilmington, Del.
18814

Delp, C J
E. I. duPont de Nemours and Company, Delaware
18815

Delp, C J
E. I. duPont de Nemours and Company, Wilmington, Del.
18816

Delp, C J
E. I. duPont de Nemours and Company
18817

Delp, C J
E. I. duPont de Nemours and Company, Wilmington,
19015

Demski, J W
Georgia Experiment Station, Experiment; Dept. of Plant Pathology
18818

Demski, J W
Pennsylvania State University, College Park
18819

Denward, T
Lund University, Sweden
18820

Derbyshire, J B
Institute for Research On Animal Diseases, Compton, Newbury; Agrieultural Researeh Counеil
19170

Deutsch, J A
California University, San Diego; Dept. of Psyehology
18600

DeVay, J E
California University, Davis
18821

DiCapua, R A
Connectieut University, Storrs, 06268; Institute of Life Seienees
19171

Doll, E R
Kentueky Agrieultural Experiment Station, Lexington; Dept. of Veterinary Seienee
19172

Dorough, H W
Texas A AND M University, College Station; Dept. of Entomology
19173

Downes, J A
Canada Dept. of Agriculture, Ontario; Entomology Researeh Institute
18601

Doyle, A D
New South Wales Dept. of Agrieulture, Tamworth
19117

Drake, C R
Virginia Polyteehnic Institute, Blaeksburg; College of Agrieulture; Dept. of Plant Pathology and Physiology
18822

Drake, C R
Virginia Polyteehnic Institute, Blacksburg
19268

Duesberg, P H
California University, Berkeley; Virus Laboratory and Dept. of Moleeular Biology
19174

Dukes, P D
Coastal Plaine Experiment Station, Tifton, Ga.
18823

Dukes, P D
Georgia University, Tifton; Coastal Plain Station
19016

Dunez, J
L' Institut National de le Recherche Agriculture, Pont-de; La-Maye, Gironde, France
18824

Dunn, G L
Smith Kline And French Laboratories, Philadelphia.
19175

Dusek, J
Agricultural University, Brno; Entomological Institute
18602

Dyte, C E
ARC Pest Infestation Laboratory, Slough, Buckinghamshire
19017

Eastop, V F
British Museum (Natural History), Cromwell Road, London
18522

Egunjobi, O A
Massey University, Palmerston North
19101

El-Adawy, A A
Ministry of Agriculture, Cairo, United Arab republic
19269

El-Zayat, M M S A
Kansas State University
18825

Eldefrawl, M E
Alexandria University, United Arab Republic; College of Agriculture; Dept. of Plant Protection
19018

Emsley, M G
West Indies University, St. Augustine, Trinidad; Faculty of Agriculture; Dept. of Agriculture
18523

Exconde, O R
Philippines University, Laguna; College of Agriculture
18826

Eyles, A C
Dept. of Scientific and Industrial Research, Nelson, New; Zealand; Entomology Division
18603

Fairchlld, G B
Gorgas Memorial Laboratory, Panama
18524

Feder, W A
Massachusetts University, Waltham; Dept. of Environmental Sciences
19270

Fennestad, K L
Royal Veterinary and Agricultural College, Copenhagen
19176

Finco, D R
Minnesota University, St. Paul, 55101; College of Veterinary Medicine
19143

Firon, N
Veterinary Field Services, Ra'anana, Israel
19177

Fluiter, H J
Institute of Phytopathological Research, Netherlands
18500

Fluiter, J
Institute of Phytopathological Research, Netherlands
19020

Foster, W N M
Hill Farming Research Organisation, Edinburgh
19213

Foy, C D
Sulfur Institute, Washington, D. C.
18728

Frazier, N W
California University, Berkley
19021

Free, J B
Rothamsted Experimental Station, Harpenden, England
18604

Freeman, J A
Canada dept. of Agrieulture, Agassiz
19271

French, R C
Fort Detrick, Frederick, Md.; Plant Science Laboratory
19272

Fridlund, P R
Washington State University, Prosser; Dept. of Plant Pathology
18828

Fridlund, P R
Washington State University, Prosser
18829

Fridlund, P R
Washington State University, Prosser
18830

Froyd, J D
Minnesota University, St. Paul; Dept. of Plant Pathology
18831

Fytizas, E
Institut Phytopathologique Benaki, Kifissia
18605

Galindo, J
I. N. I. A., Mexieo; Dept. of Fitopatologia
18606

Garraway, M O
California University, Berkeley; Dept. of Plant Pathology
19273

Gatehouse, A G
Imperial College of Science and Technology, Ashurst Lodge,; Sunning Hill, Ascot, Berkshire; Dept. of Zoology and Applied Entomology
18607

George, R S
1 Podsmead Place, gloucester, England
18529

Gibbons, R A
ARC Institute for Research On Animal Diseases, Compton,; Newbury, Berkshire
19178

Gilby, A R
Commonwealth Scientific and Industrial Research Organiza; Tion, Canberra, Australia.
18608

Gillett, J D
Brunel University; Dept. of Biology
18703

Godwin, K O
Commonwealth Scientific and Industrial Research Service,; Kintore Avenue, Adelaide, South Australia.; Division of Nutritional Biochemistry
19179

Goldberg, A
U. S. Dept. of Agriculture, Beltsville, Md.; Agricultural Research Service; Animal Disease And Parasite Research Division; Beltsville Parasitological Laboratory
19220

Gonzalez, H
Universidad de Chile, Santiago; Escuela de Medicina Veterinaria
19214

Good, J M
U. S. Dept. of Agriculture, Beltsville, Md.; Agricultural Research Service; Crops Research Division
18530

Goodier, R
Nature Conservancy, Bangor, N. Wales
18502

Goodman, R N
Missouri University
19274

Goonewardene, H F
Smith Kline And French Laboratories, Philadelphia
19228

Gorhe, D S
Laboratoire de Virologie et d'Immunologie, Thiverval; Grignon, France
19180

Goto, H E
Imperial College, London, S.w. 7., England; Dept. of Zoology
18503

Gould, H J
National Agricultural Advisory Service, Coley Park, Reading; England
18504

Gourlay, R N
A. R. C. Institute for Research On Animal Diseases, Compton
19181

Grace, T D C
Commonwealth Scientific and Industrial Research Organiza; Tion, Canberra, Austrilia; Division of Entomology
18609

Graham, M W R
University Museum, Oxford, England; Hope Dept. of Entomology
18531

Graham, T W
U. S. Dept. of Agriculture, Florence, S. C.; Agricultural Researeh Serviee; Pee Dee Experiment Station
19022

Granek, I
U. S. Dept. of Agriculture, Hicksville, N. Y.; Golden Nematode Laboratory; Agricultural Research Service; Plant Pest Control Division
19023

Griffin, G D
U. S. Dept. of Agriculture, Logan, Utah; Agricultural Researeh Serviee; Crops Research Division; Crops Researeh Laboratory
19102

Griffin, G J
Virginia Polytechnic Institute, Blacksburg
19275

Griffiths, G C D
88a, Avondale Ave., East Barnet, Herts
18532

Griffiths, G C D
88a Avondale Avenue, East Barnet, Herts, England
18533

Griffiths, G C D
88a Avondale Ave, Herts
18610

Griggs, W H
California University, Davis
18833

Grosclaude, C
Station de Pathologie Vegetable, Sud-Ouest, Pont-de-la; Maye, France
18835

Gupta, U C
Canada Dept. of Agriculture, Charlottetown, Prince Edward; Island; Research Station
19276

Gwynne, M D
East African Agriculture and Forestry Research Organisation; P. O. Box 21, Kikuyu, Kenya
18611

Hagen, K S
California University, Berkeley; Division of Biological Control
18612

Hague, N G M
Imperial College, Ascot, Berkshire; Ashurst Lodge
19119

Hague, R
Oregon State University, Corvallis; Dept. of Agricultural Chemistry
19319

Haisch, V A
Bayerische Landesanstalt fur Bodenkultur, Pflanzenbau,; und Pflanzenschutz, Munchen
18836

Halstead, D G H
Agricultural Research Council, Slough, Bucks, England; Pest Infestation Laboratory
18534

Hammerstrom, R J
Gulf Coast Shellfish Sanitation Research Center
19144

Hampton, R O
U. S. Dept. of Agrieulture, Corvallis, Or.; Agricultural Research Service; Crops Research Division; Research Plant Pathologist
18838

Hansing, E D
Kansas State University, Manhattan; Dept. of Plant Pathology
18730

Hansing, E D
Kansas State University, Manhattan; Dept. of Plant Pathology
18731

Harries, F H
U. S. Dept. of Agriculture, Wenatchee, Wash.
19025

Heath, J
The Nature Conservancy, Grange-over-Sands, Lans, England; Merlewood Research Station
18535

Heathcote, G D
Rothamsted Experimental Station, Herts
19026

Heggestad, H E
U. S. Dept. of Agriculture, Beltsville, Md.; Agricultural Research Service; Crops Research Division; Air Pollution Laboratory
19233

Helton, A W
Idaho University, Moscow
18839

Hepting, G H
U. S. Dept. of Agriculture, Asheville, N. C.; Forest Service
19234

Heyns, A J
Fruit Food Technological Research Institue, Stellenbosch
18840

Hickey, K D
Virginia Polytechnic Institute, Blacksburg; Fruit Research Laboratory: Dept. of Plant Pathology and Physiology
18842

Hide, G A
Rothamsted Experimental Station, Harpenden, Herts, England
18843

Hiltbold, A E
Auburn University, Ala; Agricultural Experiment Station; Dept. of Agronomy and Soils
19277

Hobson, G E
Glasshouse Crops Research Institute, Rustington, England
18844

Hodek, I
Academy of Sciences, Prague, Czechoslovakia; Entomological Institute
18614

Hodek, I
Academy of Sciences, Praha, Czechoslavakia; Entomological Institute
18615

Hodek, I
Academy of Sciences, Praha; Entomological Institute
19027

Hodgson, J M
U. S. Dept. of Agricultural Research Service; Agricultural Research Service; Crops Research Division
19120

Holder, G M
Sydney University; Dept. of Pharmacy
19245

Holmes, D C
Laboratory of Government Chemist, London
19246

Horanszky, Z
Research Institute of Viticulture, Budapest, Hungary
19136

Horsburgh, R L
Pennsylvania State University, University Park
19028

Horst, R K
Cornell University, Ithaca, N. Y
18845

Huber, D M
Idaho University, Moscow, 83843
18846

Humphries, D A
Uffculme Clinic, Queensbridge Road, Birmingham, England; Ethology Laboratory
18617

Hunter-Jones, P
Anti-Locust Research Center, London
18618

Hunter, R E
Oklahoma Agricultural Experiment Station, Stillwater; Dept. of Botany and Plant Pathology
19278

Hurlock, E T
Ministry of Agriculture, Hook Rise, Tolworth, Surbiton,; Surrey, England; Fisheries and Food
19227

Hussey, R S
Maryland University, College Park
19104

Hutchinson, G E
Yale University, New Haven, Conn.; Dept. of Biology
18619

Hyche, L L
Auburn University, Ala.; Agricultural Research Station; Dept. of Zoology-Entomology
18620

Hyodo, H
Nagoya University, Chikusa, Nagoya, Japan; Faculty of Agriculture; Institute for Biochemical Regulation
18847

Hyssex, N W
Glasshous Crops Research Institute, Worthing Road, Rusting; Ton, Littlehampton, Sussex, England
18621

Iperti, G
Station de Zoologie et de Lutte Biologique, France
19029

Ishihara, T
Ehime University, Matsuyama; College of Agriculture
18622

Istock, C
Rochester University; Dept. of Biology
18536

Iwata, K
Hyogo University; Entomological Laboratory
18624

Jacobson, K B
Oak Ridge National Laboratory, Tenn.; Biology Division
18625

Jacotot, H
Institut Pasteur, Paris, France
19183

Janssen, W A
Fort Detrick, Frederick, Md.; Biological Sciences Laboratory
19184

Jayaraj, S
Agricultural College and Research Institute, Coimbatore,; India; Faculty of Entomology
19030

Johnson, C D
Northern Arizona University, Flagstaff
18537

Johnson, R H
Bristol University, England; Dept. of Veterinary Medicine
19185

Kallinis, T L
Ministry of Agriculture, Athens, Greece; Institute of Soils and Fertilizers
18733

Kaloostian, G H
U. S. Dept. of Agriculture, Riverside, Calif.
19035

Kanamitsu, K
Tokyo University, Japan; Dept. of Forestry
18627

Kantzes, G
Maryland University, Salisbury; Vegetable Research Farm; Dept. of Botany
18734

Kantzes, J G
Maryland University, Salisbury; Vegetable Research Farm; Dept. of Botany
18850

Kater, S B
Virginia University, Charlottesville; Dept. of Biology
18628

Keller, E
Kant. Zentralstelle PflSch., Arenenberg TG, Germany
19138

Kevan, D K
9 Cluny Drive, Edinburgh, London
18538

Kincaid, R R
North Florida Experiment Station, Quincy
18851

King, E W
Clemson College, Clemson, S. C.; Dept. of Entomology and Zoology
18629

Kirk, J K
U. S. Food and Drug Adminstration
19145

Kirkland, R C
Forestry Commission, Alice Holt Lodge, Wrecclesham, Surrey,; England; Forest Research Station
18539

Klisiewics, J M
U. S. Dept. of Agriculture; Agricultural Research Service; Crops Research Division
18852

Klos, E J
Michigan State University, East Lansing; Dept. of Botany and Plant Pathology
18853

Klos, E J
Michigan State University, East Lansing; Dept. of Botany and Plant Pathology
18854

Klos, E J
Michigan State University, East Lansing; Dept. of Botany and Plant Pathology
19036

Klumpar, J
Ustredni Kontrolni A Zkusebni Ustav Zemedelsky, Odbor Karan
19037

Knierim, J A
Michigan State University, East Lansing; Dept. of Entomology
18735

Knierim, J A
Michigan State University, East Lansing; Dept. of Entomology
19038

Knight, C B
East Carolina College, Greenville, N. C.; Dept. of Biology
18631

Knosel, D
Hohenheim Universitat; Institut fur Pflanzenschutz
18855

Koeman, J H
Utrecht University; Institute of Veterinary Pharmacology and Toxicology
19248

Koenig, R
Biologischen Bundesanstalt Fur Land- und Forstwirtschaft,; Braunsemweig; Institut fur Virusserologie
18856

Kohler, V H
Landespflanzenschutzamt Rheinland-pfalz, Mainz
18857

Konecny, V
Vyskumny Ustav Agrochemickej Technologie, Bratislava
19279

Kozar, Z
Polish Academy of Science, Norwida Street 279, Wroclaw; Institute of Parasitology; Laboratory of Anthropozoonoses
19186

Kranz, V J
Institut des Recherches Fruitieres, Kindia, Guinea
18859

Kriedemann, P E
Commonwealth Scientific and Industrial Research Organizatio; Division of Horticultural Research
19280

Kristeu, K
College of Agriculture, Plovdiv, Hungary
18860

Krombein, K V
U. S. Dept. of Agriculture, Washington, D. C.; Agricultural Research Service; Entomology Research Division
18632

Kurczewski, F E
Cornell University, Ithaca, N. Y.; Dept. of Entomology
18633

Kurokawa, H
Tokyo Metropolitan University, Japan; Faculty of Science; Dept. of Biology
18634

Lamey, H A
U. S. Dept. of Agriculture, Baton Rouge, La; Agricultural Research Service; Crops Research Division
18861

Lane, C
Elsfield Manor, Elsfield, Oxford, England
18635

Lane, C
Elsfield Manor, Oxford, England
18636

Lawler, P D
Wales University College, Aberystwyth; Dept. of Biochemistry and Agricultural Biochemistry
19281

Lawson, R H
U. S. Dept. of Agriculture, Beltsville, Md.
18862

Leatherdale, D
Eastfield Lodge, Whitchurch, Oxfordshire, England
18540

Lehoczky, J
Research Institute of Viticulture, Budapest, Hungary
19282

Leppik, E E
U. S. Dept. of Agriculture, Beltsville, Maryland; Agricultural Research Service; Crops Research Division; New Crops Research Branch
18863

Leston, D
44 Abbey Road, London, England
18541

Leston, D
44 Abbey Road, London, England
18542

Levi, H W
Harvard University, Cambridge, Mass.; Museum of Comparative Zoology
18505

Lewis, F H
Fruit Research Laboratory, Arendtsville, Penna
18738

Lewis, F H
Fruit Research Laboratory, Arendtsville, Penna.
18864

Lewis, G D
Rutgers University, New Brunswick, N. J.; Dept. of Plant Biology
18739

Lewis, G D
Rutgers University; Dept. of Plant Biology
18865

Lewis, G D
Rutgers University, New Brunswick, N. J.; Dept. of Plant Biology
18866

Lichtenstein, E P
Wisconsin University, Madison; Dept. of Entomology
19321

Light, W I St. G
National Agricultural Advisory Service, Wye, England
18637

Line, R F
Fort Detrick, Frederick, Md.; Plant Science Laboratory
18867

Lockhart, C L
Canada Dept. of Agriculture
18868

Lockhart, C L
Canada Dept. of Agriculture, Kentville
19283

Lott, T B
Canada Agricultural Research Station, Summerland
18870

Lovrekovich, L
Wisconsin University, Madison; Dept. of Biochemistry
18871

Lownsbery, B F
California University, Davis; Dept. of Nematology
19106

Lucas, A
Laboratorie Central de Recherches Veterinaires d' Alfort
19187

Luepschen, N S
Colorado State University, Grand Junction; M Slope Branch Station
18872

Lukezic, F L
Pennsylvania State University, University Park; Dept. of Plant Pathology
19229

Lumsden, R D
U. S. Dept. of Agriculture, Beltsville, Md.
18873

MacCreary, D
Delaware Agricultural Experiment Station, Newark; Dept. of Entomology
18543

Macfarlane, W V
Adelaide University, Glen Osmond, South Australia; Waite Agricultural Research Institute
19188

Madden, J L
Commonwealth Scientific and Industrial Research Organiza; Tion, Stowell Avenue, Hobart, Tasmania.; Division of Entomology
18506

Madsen, H
Research Station, Summerland, Canada
19041

Maier-bode, V H
Pharmakologisches Institut; Bonn Universitat
18875

Malm, N R
Plains Branch Station, Star Route, Clovis, New Mexico
18740

Mani, E
Eidg. Versuchsanst., Wadenswil, Germany
19042

Manning, W J
Delaware University, Newark
18877

Manning, W J
Delaware University, Newark; Dept. of Plant Pathology
18878

Manzer, F E
Maine University, Orono; Dept. of Botany and Plant Pathology
18879

Manzer, F E
Maine University, Orono; Dept. of Botany and Plant Pathology
18880

Marion, G M
Syracuse University, N. Y.; College of Forestry; Dept. of Silviculture
18741

Martin, W J
Louisiana State University, Baton Rouge; Dept. of Plant Pathology
18742

Maruyama, K
Oxford University; A.R.C. Unit of Insect Physiology,; Dept. of Zoology
18638

Mason, M M
Mason Research Institute, Worcester, Mass.
19189

Massee, A M
Acarina, East Malling, Nr. Maidstone, Kent
18544

Massee, A M
Acarina, East Malling, Kent, England
18639

Materu, M E A
Tropical Pesticides Research Institute, Arusha, Tanzania
19043

Mattern, P
Institut Pasteur
18706

Mauney, J R
Cotton Research Center, Phoenix, Arizona
18743

McCrae, A W R
East African Virus Research Institute
18640

McCrone, J D
Florida University; Dept. of Zoology
18641

McIntyre, T
U. S. Dept. agriculture, Upper Darby, Pa; Forest Service; Northeastern Forest Experiment Station
18642

McKittrick, R K
Arizona University; Mesa Branch Station; Dept. of Plant Pathology
18881

McNelly, L B Jr.
California University, San Jose; Fruit Station
18745

McQueen, J L
U. S. Communicable Disease Center, Atlanta; Bureau of Disease Prevention and Environmental Control
19190

Means, R G
Amherst, Mass.
18545

Mcneghini, R
Universidade oe Sao Paulo, C.p. 810s S. Paulo, Brazil; Laboratorio oe Biologia Molecular; Dept. de Botanica-faculdade de Filosofia
18643

Mickel, C E
Minnesota University
18546

Miczynski, K A
College of Agriculture, Krakow; Botanical Institute
18882

Miles, P M
Werndeg, Cnwch Coch, Aberystwyth, Cardiganshire, Wales
18644

Milholland, R D
North Carolina State University, Raleigh
18883

Miller, W O
The Dow Chemical Company, Wayside, Mississippi
18707

Mills, J H L
Saskatchewan University, Saskatoon, Canada
19191

Minis, D H
Princeton University, N. J.; Dept. of Biology
18645

Mircetich, S M
U. S. Dept. of Agriculture, Beltsville, Md.
18885

Mitterling, L A
Connecticut University, Storrs
19139

Mohamed, H A
Bahtim Experiment Station, Cairo, United Arab Republic,
18886

Moncol, D J
North Carolina Agricultural Experiment Station, Raleigh
19221

Morris, M G
Monks Wood Experimental Station, Abbots Ripton, Huntingdon,; England
18547

Morton, D J
Delaware University, Newark; Dept. of Plant Pathology
18888

Moss, W W
Academy OF Natural Sciences, Philadelphia, Pennsylvania
18548

Mount, M S
Michigan State University, East Lansing; Dept. of Botany and Plant Pathology
18889

Mulder, D
Laboratory of Phytopathology, Wageningen, Netherlands
18890

Mussell, H W
Purdue University, Lafayette, Ind.
19286

Na'Isa, B K
Ministry of Animal and Forest Resources; Veterinary Tsetse Division
19192

Naim, M S
College of Advanced Technology, Tripoli-Libya
18892

Nakai, T
Toronto University, Canada; Dept. of Medical Biophysics
19193

Nault, L R
Ohio Agricultural Research and Development Center, Wooster
19048

Neely, D
Illinois Natural History Survey, Urbana
18893

Nelson, G H
Loma Linda University, Calif.; Dept. of Anatomy
18646

Nelson, R R
Pennsylvania State University, University Park
19287

Nickerson, B
Leicester College of Technology and Commerce; Dept. of Biology
18647

Nickerson, B
Leicester College of Technology, Leiceester, England
18648

Niemczyk, E
Institut of Horticulture, Poland
19049

Nover, I
Halle Universitat; Phytopathologisches Institut
18894

O'Callaghan, D J
Mississippi University School of Medicine, Jackson, Miss.; Dept. of Microbiology
19194

Oatman, E R
California University, Riverside
19050

Ohanessian, A
CNRS, 91, Gif-sur-Yvette, France; Laboratoire de Genetiques des Virus
18650

Okasha, K A
California University, Davis; Dept. of Pomology
18896

Okasha, K A
California University, Davis; Dept. of Pomology
18897

Okasha, K A
California University, Davis
19288

Omer, S M
Khartoum University, ; Dept. of Zoology
18651

Orlob, G B
Toronto University, Canada; Dept. of Botany
18900

Osborne, C A
Minnesota University, St. Paul, 55101; College of Veterinary Medicine; Dept. of Veterinary Medicine
19195

Osborne, W W
Virginia Polytechnic Institute, Blacksburg, Va; College of Agriculture; Dept. of Plant Pathology and Physiology
19052

Osborne, W W
Virginia Polytechnic Institute, Blacksburg, Va; College of Agriculture; Dept. of Plant Pathology and Physiology
19053

Osborne, W W
Virginia Polytechnic Institute, Blacksburg, Va.; College of Agriculture; Dept. of Plant Pathology and Physiology
19054

Osborne, W W
Virginia Polytechnic Institute, Blacksburg, Va.; College of Agriculture; Dept. of Plant Pathology and Physiology
19055

Osborne, W W
Virginia Polytechnic Institute, Blacksburg, Va.; College of Agriculture; Dept. of Plant Pathology and Physiology
19056

Osborne, W W
Virginia Polytechnic Institute, Blacksburg; College of Agriculture; Dept. of Plant Pathology and Physiology
19057

Owen, N V
Colorado State University, Fort Collins, Colo.; College of Veterinary Medicine
19196

Owen, N V
Colorado State University, Fort Collins, 80120; College of Veterinary Medicine; Agricultural Experiment Station
19197

Padgett, G A
Washington State University, Pullman; College of Veterinary Medicine
19198

Pady, S M
Kansas State University, Manhattan
19289

Paetzold, D
Dresden Universitat, German Democratic Republic; Zoologisches Institut
19058

Page, R J C
Lindum House, 1 Eggars Hill, Hampshire
19215

Palmer, L T
Minnesota University, St. Paul
19107

Palmiter, D H
New York State Agricultural Experement Station; Hudson Valley Laboratory
19059

Panda, N C
Orissa Veterinary College, India
19222

Park, S S
Institute of Plant Environment, Sunon, Korea
18652

Park, Y D
Institute of Plant Environment, Korea
18746

Patterson, D S P
Ministry of Agriculture, Weybridge, Surrey; Central Veterinary Laboratory
19199

Paul, H L
Biologischen Bundesanstalt fur Land-and Forstwirstschaft,; Braunschweig; Institut fur Landwirtschaftliche Virusforscung; Institut fur Virusserologie
18901

Paulsen, A Q
Wisconsin University, Madison
18902

Peakall, D B
Upstate Medical Center, N. Y.
19148

Peeples, E E
Bowling Green State University, Ohio; Dept. of Psychology
18653

Peterson, J L
Rutgers University, New Brunswick, N. J.; Dept. of Plant Pathology
18747

Pettit, R E
Texas A and M University, College Station
18905

Phillips, D V
North Carolina State University
18748

Phillips, G C
University Museum, Oxford; Dept. of Zoology and Comparative Antomy
18655

Philp, E G
The Museum, Maidstone, Kent, England; Dept. of Natural History
18551

Pontin, A J
Bedford College, Regent's Park, London
18656

Pontin, A J
Bedford College, Regent's Park, London
18657

Pontin, A J
Bedford College, Regent's Park, London, England
18658

Post, G
California University, Davis
18907

Potter, H S
Michigan State University, East Lansing; Dept. of Botany and Plant Pathology
18908

Powell, D
Illinois University, Urbana; Dept. of Plant Pathology
18909

Powers, H R
U. S. Dept. of Agriculture, Asheville, N. C.; Forest Service; Southeastern Forest Experiment Station
18910

Prasad, I
Rutgers, New Brunswick, N. J.; Bureau of Conservation and Environmental Science; Dept. of Biochemistry and Microbiology
18911

Pratt, G E
Cambridge University, Cambridge, Mass.; Dept. of Zoology
18659

Price, D W
California University, Davis
19061

Primost, E
Landwirtschaftliche Versuchsstation Steyr, Osterreichischen
18749

Pring, D R
North Dakota State University, Fargo
18912

Proverbs, M D
Research Station, Summerland, Canada
19063

Pugh, G W
U. S. Dept. of Agriculture, Ames, Iowa, 50010; Agricultural Research Service; National Animal Disease Laboratory; Animal Disease and Parasite Research Division
19200

Purcifull, D E
Florida University, Gainesville; Institute of Food and Agricultural Sciences; Dept. of Plant Pathology and Agronomy; Plant Virus Laboratory
18913

Purnell, R E
East African Veterinary Research Organization, Muguga, Kiku; Ya, Kenya
19216

Rahn, R
Ecole Nationale Superieure Agronomique; Laboratoire de Recherches de la Chaire de Zoologie
18553

Rai, P V
Montana State University, Bozeman
19290

Rainaldi, G
Pisa University, Italy
19291

Ramachandra Freddy, T K
University Botany Laboratory, Madras-5, India
18750

Ramakrishnan, L
Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
19292

Rangaswami, G
Annamalai University, Madras, India; Faculty of Agriculture
18751

Rao, P S
Kansas State University, Manhattan
19293

Rao, P S
Kansas State University, Manhattan
19294

Rapilly, F
Institut Nationul de la Recherche Agronomique; Centre National de Recherches Agronomiques, France; Station Centrale de Pathologie Vegetale
19128

Raun, E S
Nebraska University, Lincoln; Dept. of Entomology
19322

Reddy, D B
Ministry of Food AND Agriculture; Directorate of Extension
18915

Reddy, M N
Kansas State University, Manhattan
18916

Reed, H E
Tennessee University, Knoxville; Dept. of Agricultural Biology; Dept. of Agronomy
18752

Reid, R L
Hill Farming Research Organization, Edinburgh
19201

Reinert, R A
Public Health Service; National Center for Air Pollution Control
19295

Repatti, E
Dell' Universita', Italy; Istituto Di Patologia Vegetale
19065

Revill, D L
North Texas State University; Dept. of Biology
18660

Reynolds, E M
Agricultural Research Council, Slough, Bucks, England; Pest Infestation Laboratory
18704

Richards, O W
Imperial College, London, England
18554

Richards, O W
Imperial College, London, England; Dept. of Zoology and Applied Entomology
18661

Richens, R H
School of Agriculture, Cambridge, England; Commonwealth Bureau of Plant Breeding and Genetics
18662

Richter, C J J
Free University, Amsterdam, The Netherlands; Dept. of Zoology
18663

Richter, V E
Justus Liebig-universitat Giessen; Institut fur Phytopathologie
18917

Risebrough, R W
California University, Berkeley; Institute of Marine Resources
19257

Rivard, I
Ministry of Agriculture, St-Jean, Quebec, Canada; Research Station
19067

Robbins, M L
Maryland University, College Park
18918

Roberts, B R
U. S. Dept. of Agriculture, Delaware, Ohio; Agricultural Research Service
18919

Robinson, J
'Shell' Research Limited, Kent, Eng.; Tunstall Laboratory
19149

Rodriguez-Kabana, R
Auburn University Agricultural Experiment Station, Auburn; Dept. of Botany and Plant Pathology
19296

Rogerrson, J P
National Agricultural Advisory, Elswick Park
18555

Rogerson, J P
Ministry of Agriculture, Fisheries and Food, Government; Buildings, Kenton Bar, Newcastle-upon-Tyne, England; National Agricultural Advisory Service
18556

Ross, J D
London University; King's College; Dept. of Botany
18753

Ross, J G
Veterinary Research Laboratories, Stormont, Belfast
19223

Ross, R G
Canada Dept. of Agriculture, Kentville; Research Station
19297

Roth, G
South African Sugar Association Experiment Station, Mount; Edgecombe, Natal, South Africa
18921

Rothschild, G H L
Dept. of Agriculture, Kuching, Sarawak, England
18664

Rothschild, M
Ashton Wold, Peterborough, England
18665

Rothschild, M
Elsfield Manor, Elsfield, Oxford, England
18710

Roulston, W J
Commonwealth Scientific Industrial Research Organization; Division of Entomology
18666

Rowell, J B
U. S. Dept. of Agriculture, St. Paul; Minnesota University; Dept. of Plant Pathology; Cooperative Rust Laboratory
18922

Rowsell, H C
Saskatchewan University, Saskatoon, Canada
19202

Ruckes, H
American Museum of Natural History, New York, N. Y.; Dept. of Entomology
18557

Rudolph, K
Institut Pflanzenpathol, Gottingen, Germany
19298

Ruegg, J C
Oxford University; Dept. of Zoology
18667

Ruehle, J L
U. S. Dept. of Agriculture; Forest Service; Southeastern Forest Experiment Station; Forestry Sciences Laboratory
19069

Ruehle, J L
Forestry Sciences Laboratory, Athens, Georgia
19130

Rush, M C
North Carolina State University, Raleigh
18923

Russell, G E
Plant Breeding Institute, Trumpington, Cambridge, England
19070

Russell, L
U. S. Dept. of Agriculture, Washington, D. C.; Agriculture Research Service; Entomology Research Division
18558

Rutledge, L C
SEATO Medical Project, Bangkok, Thailand; Medical Research Laboratory
18711

Ryan, C A
Washington State University, Pullman; Dept. of Agricultural Chemistry
19299

Saad, S
Wisconsin University, Madison
18924

Sabar, Z
California University, Davis
19150

Saettler, A W
Michigan State University, East Lansing; Dept. of Botany and Plant Pathology
18925

Sailer, R I
U. S. Dept. of Agriculture, Nanterre, France; European Parasite Laboratory
19071

Saliternik, Z
Ministry of Health, Israel; Antimalaria Division
18712

Samaddar, K R
Michigan State University, East Lansing
18926

Sanchez, S D
Instituto Nacional de Investigaciones Agricolas, S. A. G.; Apdo. Postal No. 6-882, Mexico
18927

Sands, D C
California University, Berkeley
19300

Sanger, H L
Justus Liebig Universitat, 63 Giessen, Germany; Institut fur Phytopathologie
18928

Sasser, J M
Florida University, Gainesville
19301

Savoiskaya, G I
Institute of Plant Protection, Alma-Ata, Kargalinka
19072

Schipper, A L Jr.
Minnesota University, St. Paul
18931

Schmidle, A
Inst. Obstkrankh., Heidelberg, Germany
18932

Schneider, D E
Pennsylvania State University, University Park; Dept. of Entomology
18668

Schneider, H
California University, Riverside; Dept. of Plant Pathology
18933

Schneiderman, H
State University of New York Upstate Medical Center, Syra; Cuse,; Dept. of Pediatrics
18669

Schoeneweiss, D F
Illinois Natural History Survey, Urbana
18754

Scholey, J
British Food Manufacturing Industries Research Association,; Randalls Road, Leatherhead, Surrey, England.
19230

Schroeder, W T
New York State Agricultural Experiment Station, Geneva
18755

Schultz, O E
Cornell University, Ithaca, N. Y.; Dept. of Plant Pathology
18934

Schultz, O E
Cornell University, Ithaca, N. Y.; Dept. of Plant Pathology
18935

Schulz, F A
Cornell University, Ithaca, N. Y.
18936

Sehnal, F
Case Western Reserve University, Cleveland, Ohio; Dept. of Biology
18670

Service, M W
Ministry of Health, Kaduna, Nigeria; Malaria Unit
18559

Service, M W
Ministry of Health, Kaduna, Northern Nigeria; Malaria Unit
18560

Service, M W
Ministry of Health, Kaduna, Northern Nigeria; Malaria Unit
18671

Shalla, T A
California University Davis; Dept. of Plant Pathology
19073

Shaw, M W
Marischal College, Aberdeen, Scotland; North of Scotland College of Agriculture; Entomological Dept.
18561

Shaw, M W
Marischal College, Aberdeen, Scotland; North of Scotland College of Agriculture; Entomology Dept.
18672

Shaw, M W
Marischal College, Aberdeen, Scotland; North of Scotland College of Agriculture; Entomology Dept.
18673

Shaw, M W
Marischal College, Aberdeen; College of Agriculture; Entomology Dept.
18674

Shea, P F
Campbell's Soup Limited, Victoria, Australia; Agricultural Research Dept.
18937

Sheldon, B L
Commonwealth Scientific Industrial Research Organization; Division of Animal Genetics
18675

Shepherd, D R
U. S. Dept. of Entomology; Agricultural Research Service; Plant Pest Control Division
18713

Shepherd, R J
California University, Davis; Dept. of Plant Pathology
18938

Shepherd, R J
California University, Davis; Dept. of Plant Pathology
19074

Shigo, A L
U. S. Forest Service, Durham, N. C.; Northeastern Forest Experiment Station
18939

Shipton, U A
Canada Dept. of Agriculture Research Station, Winnipeg
19302

Shorey, H H
California University, Riverside
19075

Siddiqui, W A
The Rockefeller University, New York, N. Y.
19204

Siddiqui, W M
Rutgers University, New Brunswick, N. J.
18940

Siegel, M R
Kentucky University, Lexington; Dept. of Plant Pathology
19303

Sinden, S L
U. S. Dept. of Agriculture, Madison,; Agricultural Research Service
18941

Singh, H
Boyce Thompson Institute for Plant Research, Yonkers, New Y
18942

Singleton, L L
Oklahoma State University, Stillwater
18943

Sinha, A K
University of Kalyani, Mohanpur, West Bengal, India; Faculty of Agriculture; Dept. of Plant Pathology
18944

Sitterly, W
Clemson Truck Station, P. O. Box 3158, Charleston, S. C.
18945

Skelly, J M
Virginia Polytechnic Institute, Blacksburg; Dept. of Plant Pathology and Physiology
18946

Smith, B C
Research Institute, Belleville, Canada; Dept. of Agriculture
18676

Smith, B C
Dept. of Agriculture, Belleville; Research Institute
18677

Smith, J H
Illinois University
18947

Smith, J H
California Dept. of Agriculture, Riverside, 92502
18948

Smith, J H
Consolidated Citrus Estates Limited
18949

Smith, J H
Consolidated Citrus Estates Limited, Letaba,; Republic of South Africa
18950

Smith, K G
F. R. E. S., 65 Gatesden Road, Fetcham, Surrey, England
18563

Smith, K G
65 Gatesden Road, Surrey, Eng.
18678

Smith, M A
Minnesota University, St. Paul
18951

Smith, M E
Brookhaven National Laboratory, Upton, N. W. 11973
19235

Smith, P D
North Carolina University, Chapel Hill,; Dept. of Zoology
18679

Smith, R F
College of Agriculture, Berkeley, Calif.; Dept. of Entomology
19078

Smith, R F
California University, Berkeley; Dept. of Entomology and Parasitology
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Smith, R S
Canada Dept. of Forestry and Rural Development, Vancouver; Forest Products Laboratory
18680

Smith, S H
California University, Berkeley
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Smith, W W
Florida University, Gainesville
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Somers, E
Bristol University, England
18953

Southards, C J
Tennessee University, Knoxville; Agricultural Experiment Station
19080

Southards, C J
Tennessee University, Knoxville; Dept. of Agricultural Biology
19081

Southards, C J
Tennessee University, Knoxville; Agricultural Experiment Station
19082

Southwood, T R E
Imperial College, London; Dept. of Zoology and Applied Entomology
18565

Southwood, T R E
Imperial College, London, England; Dept. of Zoology and Applied Entomology
18681

Spencer, K A
19 Redington Road, Hampstead, London
18682

Spooner, G M
Five Oaks, Crapstone, Yelverton, Devon, England
18567

Stall, R E
Florida University, Gainesville
18954

Steadman, J R
Wisconsin University, Madison
19304

Steelman, C D
Louisiana State University, Baton Rouge; Dept. of Entomology
18568

Steiner, G W
Michigan State University, East Lansing
18955

Stewart, D M
U. S. Dept. of Agriculture, St. Paul, Minn.; Agricultural Research Service; Plant Pest Control Division
18956

Still, C C
Rutgers University, New Brunswick, N. J.; Bureau of Conservation and Environmental Science; Dept. of Plant Biology
19305

Still, G G
U. S. Dept. of Agriculture, Fargo, N. Dak.; Agricultural Research Service
19306

Stone, A
U. S. Dept. of Agriculture, Washington, D. C.; Agricultural Research Service; Entomology Research Division; Insect Identification and Parasite Introduction Research Br
18569

Stone, A
U. S. Dept. of Agriculture, Washington, D. C.; Agricultural Research Service; Entomology Research Division
18570

Stringfellow, F
U. S. Dept. of Agriculture, Beltsville, Md.; Agricultural Research Service; Animal Disease and Parasite Research Division; Beltsville Parasitological Laboratory
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Studdert, M J
Melbourne University, Victoria Australia; School of Veterinary Science; Dept. of Pathology and Microbiology
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Yorkshire University, Hull
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Surtees, G
Agricultural Research Council, London Road, Slough, Bucks,; England; Pest Infestation Laboratory
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Surtees, G
Agricultural Research Council, London Road, Slough, England; Pest Infestation Laboratory
18684

Surtees, G
Pest Infestation Laboratory, London Road, Slough, England
18685

Surtees, G
Pest Infestation Laboratory, London Road, Slough, England
18686

Surtees, G
Agricultural Research Council, Slough, Bucks, England; Pest Infestation Laboratory
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Swan, G
Washington State University; College of Agriculture; Cooperative Extension Service
19132

Swart, P L
Fruit Food Technological Research Institute, Stellenbosch,; Germany
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Swietochonski, B
Institute of Cultivation, Fertilizing and Soil Science,; Dept. of Ecology and Weed Control
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Swift, B L
Wyoming University, Laramie; Division of Veterinary Science
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Szkolnik, M
New York State Agricultural Experement Station; Dept. of Plant Pathology
19084

Szkolnik, M
New York State Agricultural Experement Station, Geneva; Dept. of Plant Pathology
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Tachibana, H
U. S. Dept. of Agriculture, Ames, Iowa; Agricultural Research Service
18957

Tappan, W B
Northern Florida Experiment Station, Quincy, Fla.
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Taylor, G S
Connecticut Agricultural Experiment Station, Windsor; Valley Laboratory
19307

Taylor, R H
Victorian Plant Research Institute, Burnley
18958

Taylor, R T
U. S. Communicable Disease Center, Savannah; Bureau of Disease Prevention and Environmental Control; Technical Development Laboratories; Biology Section
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Thalenhorst, V W
Niedersachsischen Forstlichen Versuchsantalt, Gottingen
18959

Thompson, G B
56 Beaumont Road, Cambridge, England
18687

Thompson, G B
56 Beaumont Road, Cambridge, England
18688

Thompson, G B
56 Beaumont Road, Cambridge, England
19217

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Georgia University, Tifton
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California University, Riverside
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Tomiyama, K
Hokkaido National Agricultural Experiment Station, Sapporo,; Japan
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Connecticut Agricultural Experiment Station, New Haven
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Tulloch, G S
Brooklyn College, New York, N. Y.; Biology Research Laboratory
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Upstone, M E
National Agricultural Advisory Service, Shardlow, Derby,; England.
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Vakili, N G
Florida University, Fort Pierce; Indian River Field Laboratory
18967

Van Den Bosch, R
California University, Riverside; Dept. of Entomology
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Israel Institute of Biological Research, Ness Ziona
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Van Emden, H F
Reading University, Shinfield Grange, Shinfield, Berks; Horticultural Research Laboratories
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Minnesota University, St. Paul
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Varshney, R K
Indian Lac Research Institute, P. O. Namkum, District Ranchi; Bihar, India
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Veech, J A
U. S. Dept. of Agriculture, Beltsville, Md.
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Veech, J A
U. S. Dept. of Agriculture, Beltsville, Md.; Agricultural Research Service
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Veen, K O
Wisconsin University, Madison
19311

Vendkig, J C
Universiteit van Leuven, Belgium; Carnoy Institut; Laboratorium voor Plantefysiologie
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Gosudarstvenn(j) Kontrol(j) Institut Meditsiskikh Biologich; Eskikh Pscpasatov Im. Moskva
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Vest, G
U. S. Dept. of Agriculture, Beltsville, Md.; Agricultural Research Service; Crops Research Division
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Vidano, C
University of Torino; Institute of Entomology
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Vite, J P
Boyce Thompson Institute for Plant Research, Inc., Yonkers,, N. Y.
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Vtyurin, V P
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Vuittenez, A
Station du Pathologie Vegetable, Colmar, Haut-Rhin, France
18973

Wade, E K
Wisconsin University, Madison; Dept. of Plant Pathology
18975

Wade, E K
Wisconsin University; Dept. of Plant Pathology
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Wade, E K
Wisconsin University, Madison; Dept. of Plant Pathology
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Walker, M G
National Vegetable Research Station; Wellesbourne, Warwick, England
19312

Walters, H J
Arkansas University, Fayetteville
18978

Walton, K C
Lindisfarne, Primrose Hill, Llanbadarn Fawr, Aberystwyth,; Cardiganshire, England
18574

Wang, S S
Minnesota University, St. Paul
18979

Way, M J
Imperial College, London, England; Dept. of Zoology and Applied Entomology
18694

Way, M J
Imperial College Field Station, Ascot, Berkshire, England
18695

Way, M J
Imperial College Field Station, Berkshire, Great Britain
18696

Wearning, C H
Imperial College Field Station, Silwood Park, Sunninghill,; Ascot, Berkshire
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California University, Riverside
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Wehner, R
Frankfurt University; Zoological Institute
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Weidensaul, T C
Pennsylvania State University, University Park
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Weihing, J L
Nebraska University, Lincoln; Dept. of Plant Pathology
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Weingartner, D P
Michigan State University, East Lansing
18983

Wester, R E
U. S. Dept. of Agriculture, Beltsville, Md.
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White, S A
Maryland University, College Park; Dept. of Entomology
18716

Wiese, M V
California University, Davis
18985

Wild, T F
Great Britain Animal Virus Research Institute, Pirbright
19210

Williams, G C
Ministry of Agriculture, Surrey; Fisheries and Food; Infestation Control Laboratory
19095

Williams, L E
Dept. of Plant Pathology
18758

Williams, P H
Wisconsin University, Madison; Dept. of Plant Pathology
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Willis, G M
Fort Detrick, Frederick, Md.
18986

Wills, W H
Virginia Polytechnic Institute, Blacksburg
18987

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California University, Davis
19315

Wood, F A
Pennsylvania State University, University Park; Center for Air Environment Studies
19237

Wood, F A
Pennsylvania State University, University Park
19316

Woodroffe, G E
22 Fairfield Ave., Datchet, Bucks
18698

Woollatt, L H
123 Abbey Road, Torquay, Devon, England
18575

Worley, R E
Coastal Plain Experiment Station, Tifton, Ga.
18989

Wright, N G
Glasgow University; Dept. of Veterinary Pathology
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Wu, J
California State Polytechnic College, Pomona
18990

Wuest, P J
Pennsylvania State University, University Park
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Wynne, J C
North Carolina State University; Crop Science Dept.
19113

Wyss, V U
Institut fur Pflanzenkrankheiten und Pflanzenschutz; der T. H. Hannover
18992

Yamazaki, I
Hokkaido University, Sapporo, Japan; Research Institute of Applied Electricity; Biophysics Division
19317

Yamguchi, A
Plant Pathology Laboratory, Nogoya University, Nagoya, Japan; Faculty of Agriculture
18993

Yang, C Y
Kentucky University, Lexington
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Yarwood, C E
California University, Berkeley
18994

Yates Iif, H O
U. S. Dept. of Agriculture, Athens, Ga.; Forest Service; Southeastern Forest Experiment Station
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Yeo, P F
University Botanic Garden, Cambridge
18576

Yeoman, G A
Astra-Hewlett, Ltd., England; Nomansland Farm; Veterinary Field Station
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Yoder, O C
Michigan State University, East Lansing
18995

Zaitlin, M
Arizona University, Tucson
18996

Zaumeyer, W J
U. S. Dept. of Agriculture, Beltsville, Md.
18997

Zeitoun, F M
California University, Davis
18998

Zeleny, J
Academy of Sciences, Prague, Czechoslovak; Entomological Institute
18759

Zimmer, D E
U. S. Dept. of Agriculture, Logan, Utah; Agricultural Research Service; Crops Research Division
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Faculty of Science; Botany Dept.
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California Forest Pest Control Action Council
19008
California University, Berkeley
Virus Laboratory; U. S. Public Health Service
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California University, Davis
19253
California University, Davis
School of Veterinary Medicine; Dept. of Microbiology
19205
Canada Dept of Agriculture, Ontario
Research Station
18764
Canada Dept. of Agriculture, Kentville, Nova Scotia
Research Station
19284
Canada Dept. of Agriculture, Lethbridge
Research Station
19103
Canada Dept. of Agriculture, Summerland
Research Station
18869
Citrus and Subtropical Fruit Research Institute, Nelspruit,
E. Transvaal, South Africa
18921
Connecticut University, Storrs
Dept. Of Animal Diseases
19191
Cornell University, Ithaca, N. Y.
Dept. Of Entomology
19238
Cornell University, New York
Dept. of Entomology
18516
Dept. of Veterinary Services, Southern Rhodesia
Tsetse and Trypanosomiasis Control Branch
18502
East Malling Research Station, Maidstone, Kent, England
19297
Environmental Science and Technology
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Food and Agriculture Organization of the United Nations
United Nations Development Program
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Grant ACS IN-350G-13
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Gulf South Research Institute, Baton Rouge, La
19182
Harris County Mosquito Control District, Houston, Texas
18510
Hoffmann-La Roche, Nutley, New Jersey
19207
Illinois University, Urbana 61801
Dept. of Plant Pathology
18948
Imperial College, London
19090
Imperial College, London, England
Botany Dept.
18944
Instituto Oswaldo Cruz, Rio de Janeiro, Argentina
18566
Iowa University, Iowa City
18702
Louisiana State University and Agricultural and Mechanical
19218
Louisiana State University, Baton Rouge
Dept. of Botany and Plant Pathology
18788
Max-Planck Institut fur Medizinische Forschung
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